

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG

ELECTRIC LOGS

X

WATER SANDS

LOCATION INSPECTED

SUB. REPORT/abd.

~~Confidential~~ status expired 1-11-95

DATE FILED 8-23-93

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-40652

INDIAN

DRILLING APPROVED: 8-25-93

SPUDDED IN: 10-19-93

COMPLETED: 12-11-93 PWD

PUT TO PRODUCING:

12-11-93

INITIAL PRODUCTION:

80 BOPD; 400 MCF; 80 BWPD

GRAVITY A.P.I.

43

GOR:

5

PRODUCING ZONES:

4779-4938 (GRRV)

TOTAL DEPTH:

5850'

WELL ELEVATION:

5380 GR

DATE ABANDONED:

FIELD:

MONUMENT BUTTE

UNIT:

JONAH

COUNTY:

DUCHESNE

WELL NO.

BALCRON MONUMENT FEDERAL #42-1J

API NO. 43-013-31404

LOCATION

2087' FNL

FT. FROM (N) (S) LINE,

692' FEL

FT. FROM (E) (W) LINE.

SE NE

1/4 - 1/4 SEC.

1

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

August 20, 1993

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

Enclosed are Applications for Permit to drill the following wells:

Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah
FLS #U-40652

Balcron Monument Federal #31-7J
NW NE Section 7, T9S, R17E
Duchesne County, Utah
FLS #U-44426

Balcron Monument Federal #21-12J
NE NW Section 12, T9S, R16E
Duchesne County, Utah
FLS #U-096550

The archeological and paleontological reports will be submitted as soon as they are received.

As operator, we hereby request that the status of these wells be held tight for the maximum period allowed by State regulations.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

RECEIVED

AUG 23 1993

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. Federal # U-40652	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name n/a	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>			7. Unit Agreement Name Jonah Unit	
c. Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Farm or Lease Name Balcron Monument Federal	
d. Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. 42-1j	
e. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2087.2' FNL, 692.4' FEL At proposed prod. zone			10. Field and Pool, or Wildcat Monument Butte/Green River	
14. Distance in miles and direction from nearest town or post office* Approximately 16 miles SW of Myton, Utah			11. 00, Sec., T., R., N., or Blk. and Survey or Area SE NE Sec. 1, T9S, R16E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)		16. No. of acres in lease	17. No. of acres assigned to this well	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth 5,900' 5,850'	20. Rotary or cable tools Rotary	
21. Elevations (Show whether DP, RT, CR, etc.) 5,380.3' GL			22. Approx. date work will start* Upon APD approval	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached				

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

RECEIVED

AUG 23 1993

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signed: Bobbie Schuman Title: Coordinator of Environmental and Regulatory Affairs

(This space for Federal or State office use)

API NO. 13-013-31404 Approval Date 8/20/93

Approved by: [Signature] Title: [Signature]

Conditions of approval, if any:

APPROVED 8/20/93 BY [Signature] DATE: 8/20/93

WELL SPACING: R699-2/3
Jonah Unit

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

SE NE Sec. 1, T9S, R16E

2087.2' FNL, 692.4' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles SW of Myton, Utah

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6,000' 5,850'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,380.3' GL

22. APPROX. DATE WORK WILL START*

Upon APD Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM/CASING DESIGN
"E" EVIDENCE OF BOND COVERAGE
"F" SURVEY PLAT

"G" RIG LAYOUT
"H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT & FILL DIAGRAM

Please note change in well # from the NOS. This should be the #42-1J.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Bobbie Schuman Coordinator of Environmental
and Regulatory Affairs
SIGNED Bobbie Schuman DATE 8/20/93
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #42-1J
SE NE Section 1-T9S-R16E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used; however, diagram submitted is for a 3M system. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as possible after the BLM approves this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON MONUMENT FEDERAL #42-1J
SE NE SECTION 1, T9S, R16E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and two reference stakes are present. 225' & 275' SE and 175' & 225' SW. .
- B. The Monument Federal #42-1 is located 16 miles Southwest of Myton Utah in the SE1/4 NE1/4 Section 1, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 42-1, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with the Momnument Butte gas plant road, turn right and continue 1.4 miles to road intersection. Turn right and proceed 0.2 mile. Follow flags 600 feet to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 600 feet of new road construction and 1.0 mile road upgrade will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and

will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be

- hauled by truck over the roads described in item #1 and item #2, from a spring owned by Joe Shields, or a well owned by Owen Dale Anderson. To be determined closer to beginning drilling operations.
- B. No water well will be drilled on this location.

6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. Corners #6 and #8 will be rounded to avoid excess fill. A silt catchment dam and basin will be constructed according to BLM specifications approximately 125 ft. East from corner #3 where flagged.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit if required will be located downwind of the prevailing wind. Access will be from the South near corner #8.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced

immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources

Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the following seed mixture:

Pure Live Seed (PLS)	Seed Mix
lbs./acre	
1	Forage Kochia (<i>Kochia prostrata</i>)
3	Ephriam Crested Wheatgrass (<i>Agropyron cristatum</i> Ephriam)
2	Russian Wildrye (<i>Elymus junceus</i>)
2	Fourwing Saltbush (<i>Atriplex canescens</i>)
3	Needle-and-Thread Grass (<i>Stipa comata</i>)
1	Yellow Sweetclover (<i>Melilotus officinalis</i>)

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost.

Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 12 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in

this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report will be forwarded upon completion.
 - 4. There are no reported restrictions or reservations

noted on the oil and gas lease.

13. Lessee's or Operator's Representative:

Balcron Oil
a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin,

Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/20/93
Date

Bobbie Schuman
Bobbie Schuman
Coordinator of Enviromental
and Regulatory Affairs
BALCRON OIL division of
Equitable Resources Energy
Company

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Federal 42-1J PROSPECT/FIELD: Jonah Unit
LOCATION: SE NE Sec.1 Twn.9S Rge.16E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5850

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to 5850'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	5850	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and
1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz
mix.
(Top of cement will be 2000')

PRELIMINARY
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

Drilling will be with air from surface to as deep as hole conditions
allow. 2% KCl fluid will be used for the remainder of the hole.

COMMENTS

- 1.) No cores or DST's are planned.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Federal 42-1J
Project ID:	Location: Jonah Unit

Design Parameters:

Mud weight (8.60 ppg) : 0.447 psi/ft
 Shut in surface pressure : 2029 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,850	5-1/2"	15.50	K-55	ST&C	5,850	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2614	4040	1.546	2614	4810	1.84	90.68	222	2.45 J

Prepared by : McCoskery, Billings, MT
 Date : 08-19-1993
 Remarks :

Minimum segment length for the 5,850 foot well is 1,500 feet.
 The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and
 2,614 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1990 pricing model. (Version 1.0G)



United States Department of the Interior

Page 1 of 4



BUREAU OF LAND MANAGEMENT
MONTANA STATE OFFICE
222 NORTH 32ND STREET
P.O. BOX 36800
BILLINGS, MONTANA 59107-6800

IN REPLY TO:

MTM 12619-A et al
BLM BOND NO. MT0576
(922.31)

April 25, 1989

NOTICE

Equitable Resources Energy Company
P. O. Box 21017
Billings, Montana 59104

OIL AND GAS

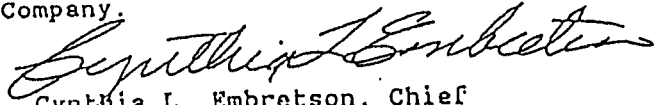
CORPORATE MERGER RECOGNIZED
RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.


Cynthia L. Embretson, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

cc: (w/encl.)
AFS, Denver (1)
All DMs (1 ea.)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)

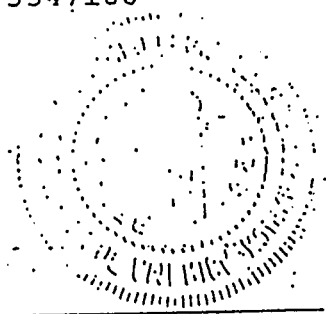
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSTATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable



KNOW ALL MEN BY THESE PRESENTS, That we
BALCRON OIL COMPANY
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and
SAFECO INSURANCE COMPANY OF AMERICA
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY
THOUSAND AND 00/100-----dollars (\$ 150,000.00), in lawful money
of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for
the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a
statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any
lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the
same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits
in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves,
and each of our heirs, executors, administrators, and successors, jointly and severally.

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States,
including Alaska, issued or acquired under the Acts cited in Schedule A.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under
the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached
hereto by the lessor with the consent of the surety.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petro-
leum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and
other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that,
whereas the said principal has an interest in oil and gas
leases issued under the Acts cited in this bond: (1) as
lessee; (2) as the approved holder of operating rights in
all or part of the lands covered by such leases under operat-
ing agreements with the lessees; or (3) as designated oper-
ator or agent under such leases pending approval of an
assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or
under the lands covered by the leases, operating agreements
or designations and is obligated to comply with certain
covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice
to the surety the coverage of this bond, in addition to the
present holdings of the principal, shall extend to and
include:



SAFECO

SURETY RIDER

SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
FIRST NATIONAL INSURANCE COMPANY
OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88
(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY, as Principal,
(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,
(SURETY)

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89
(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89
(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY

PRINCIPAL

By: _____ TITLE

SAFECO INSURANCE COMPANY OF AMERICA

SURETY

By: R. George Voinchek ATTORNEY-IN-FACT



POWER
ATTORNEY

GENERAL INSURANCE COMPANY OF AMERICA
HEAD OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

EXHIBIT "E" Page 4 of 4
3798

No. _____

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VEHR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

- (i) The provisions of Article V, Section 13 of the By-Laws, and
 - (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
 - (iii) Certifying that said power-of-attorney appointment is in full force and effect,
- the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

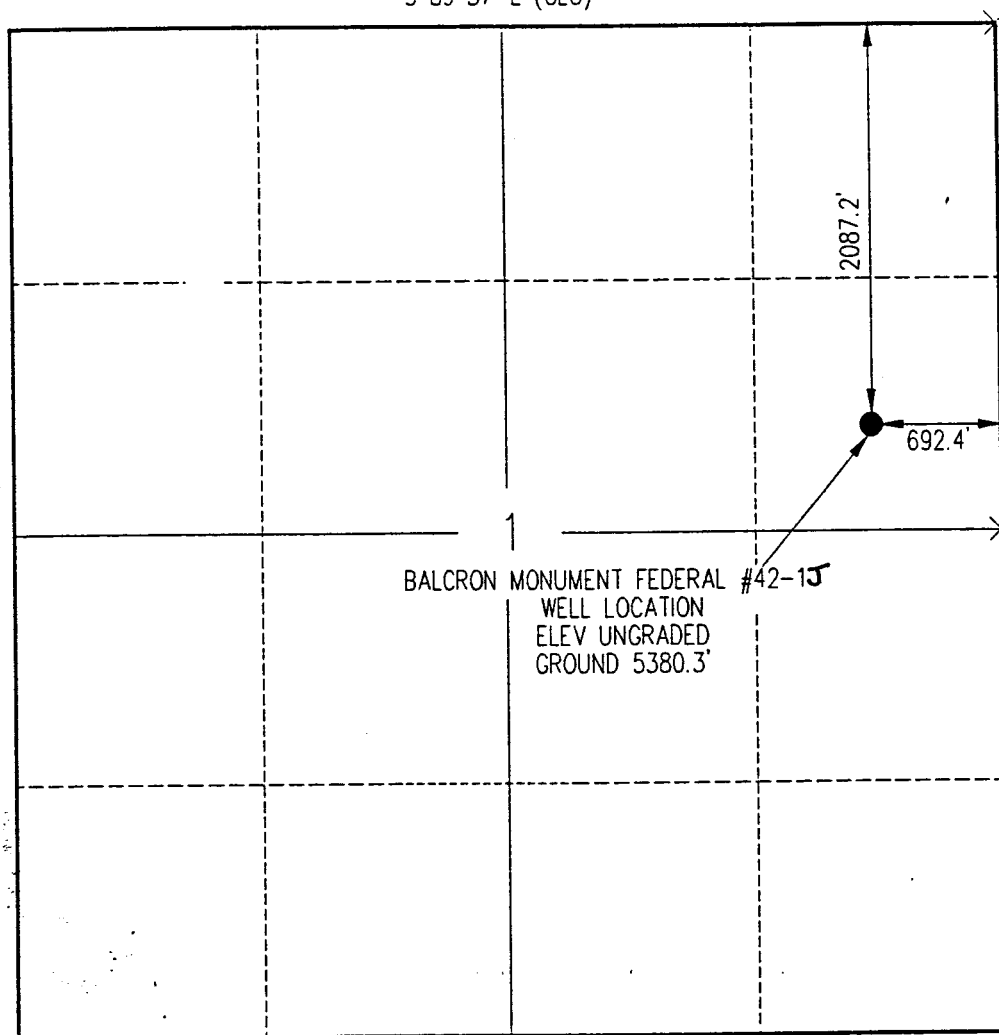
this 10th day of April, 19 89.

EXHIBIT "F"

T9S, R16E, S.L.B. & M.

S 89°57' E (GLO)

N 0°06' W (GLO)



N 89°58' W (GLO)

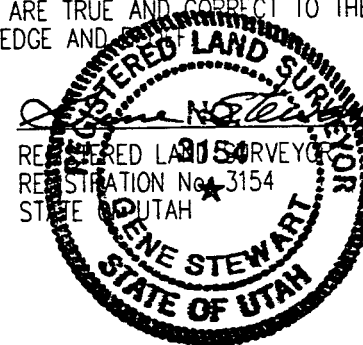
NORTH (GLO) BASIS OF BEARINGS

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL
#42-1, LOCATED AS SHOWN IN THE SE 1/4
NE 1/4 OF SECTION 1, T9S, R16E, S.L.B. & M,
DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND



X = SECTION CORNERS LOCATED
BASIS OF BEARINGS; G.L.O. PLAT 1911
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

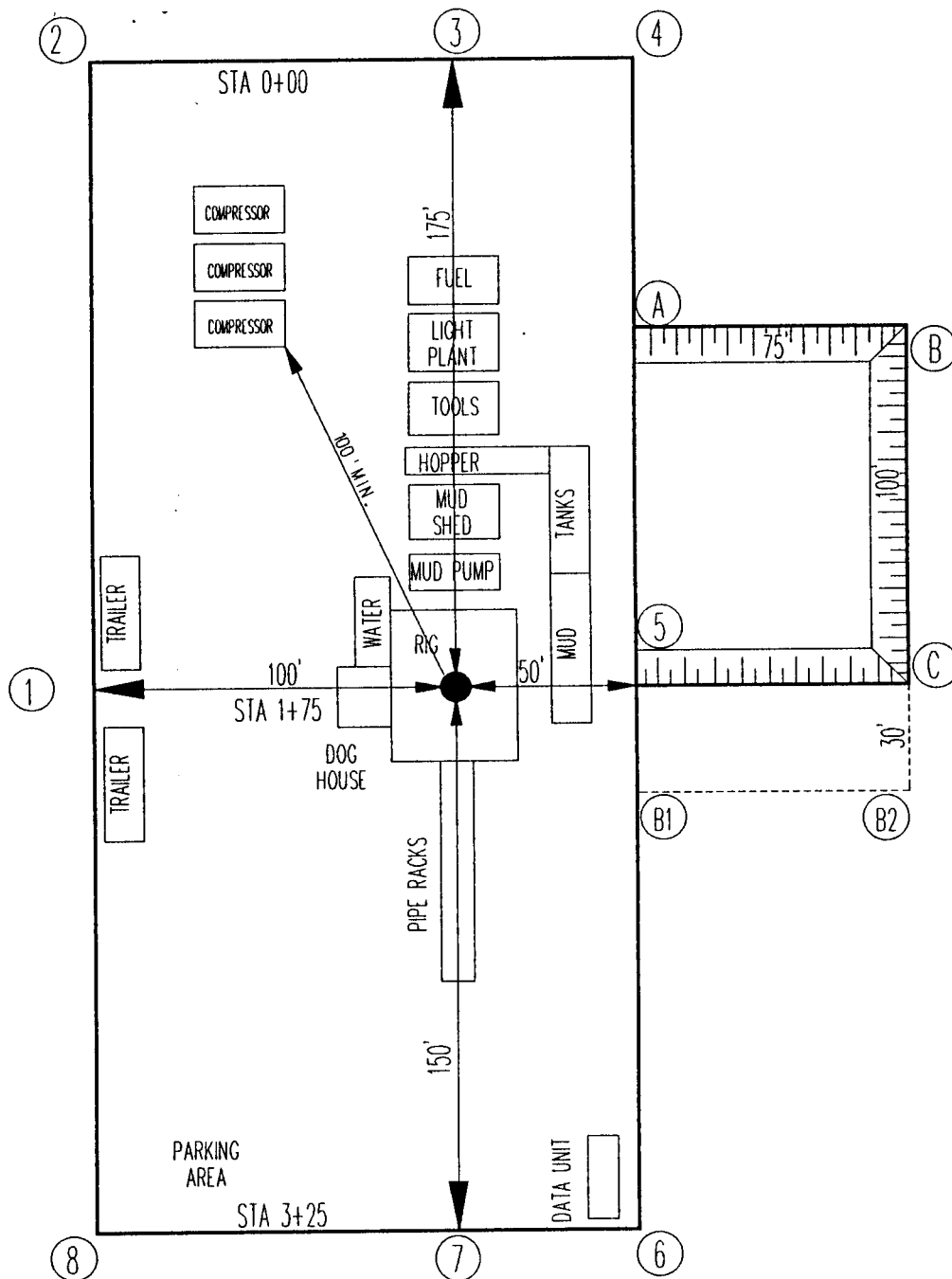
WEATHER: CLEAR & HOT
DATE: 7/15/93
SCALE: 1" = 1000'
SURVEYED BY: SS ZD
FILE: MF 42-1



EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #42-1J

WELLSITE LAYOUT

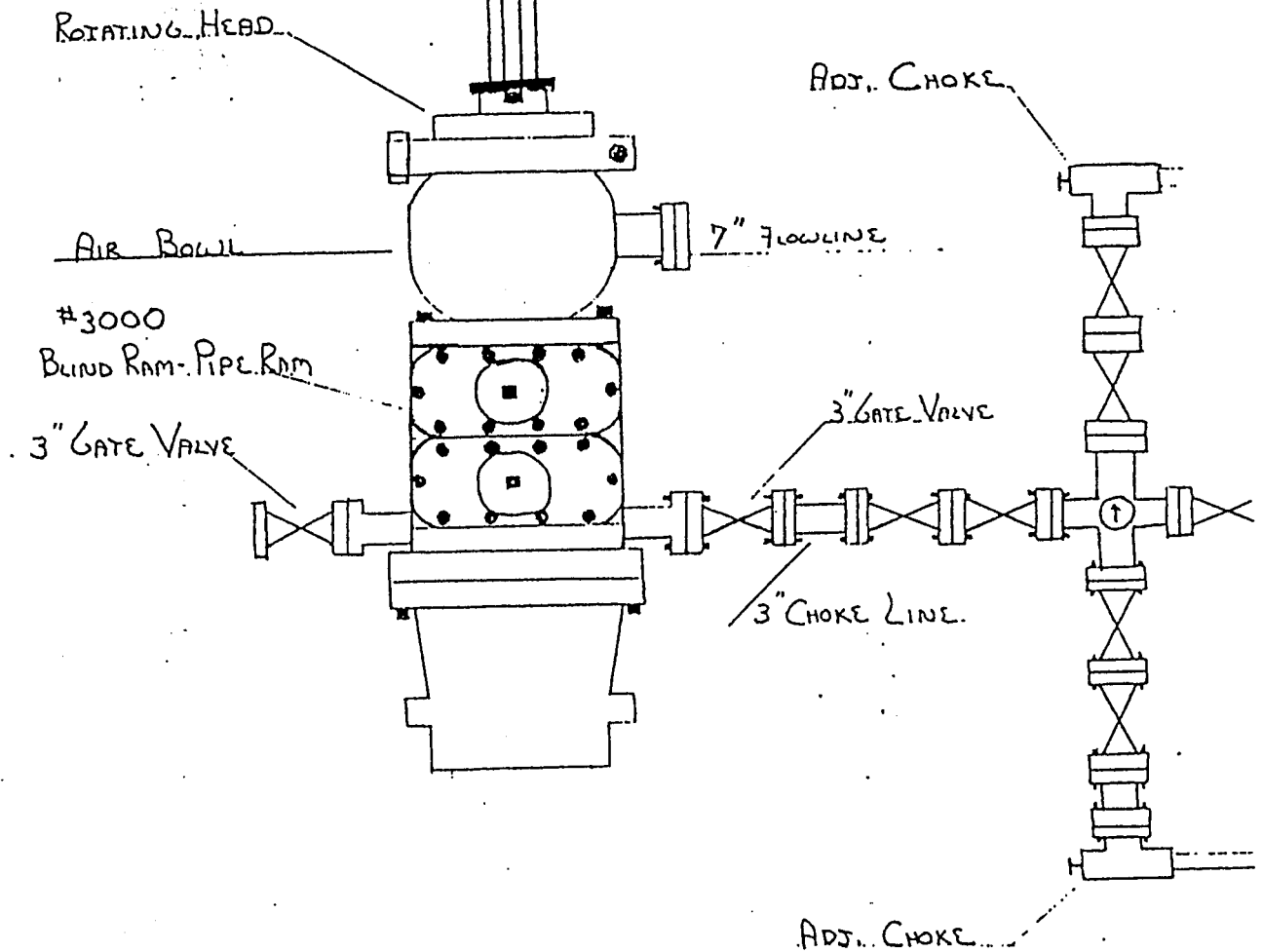


TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

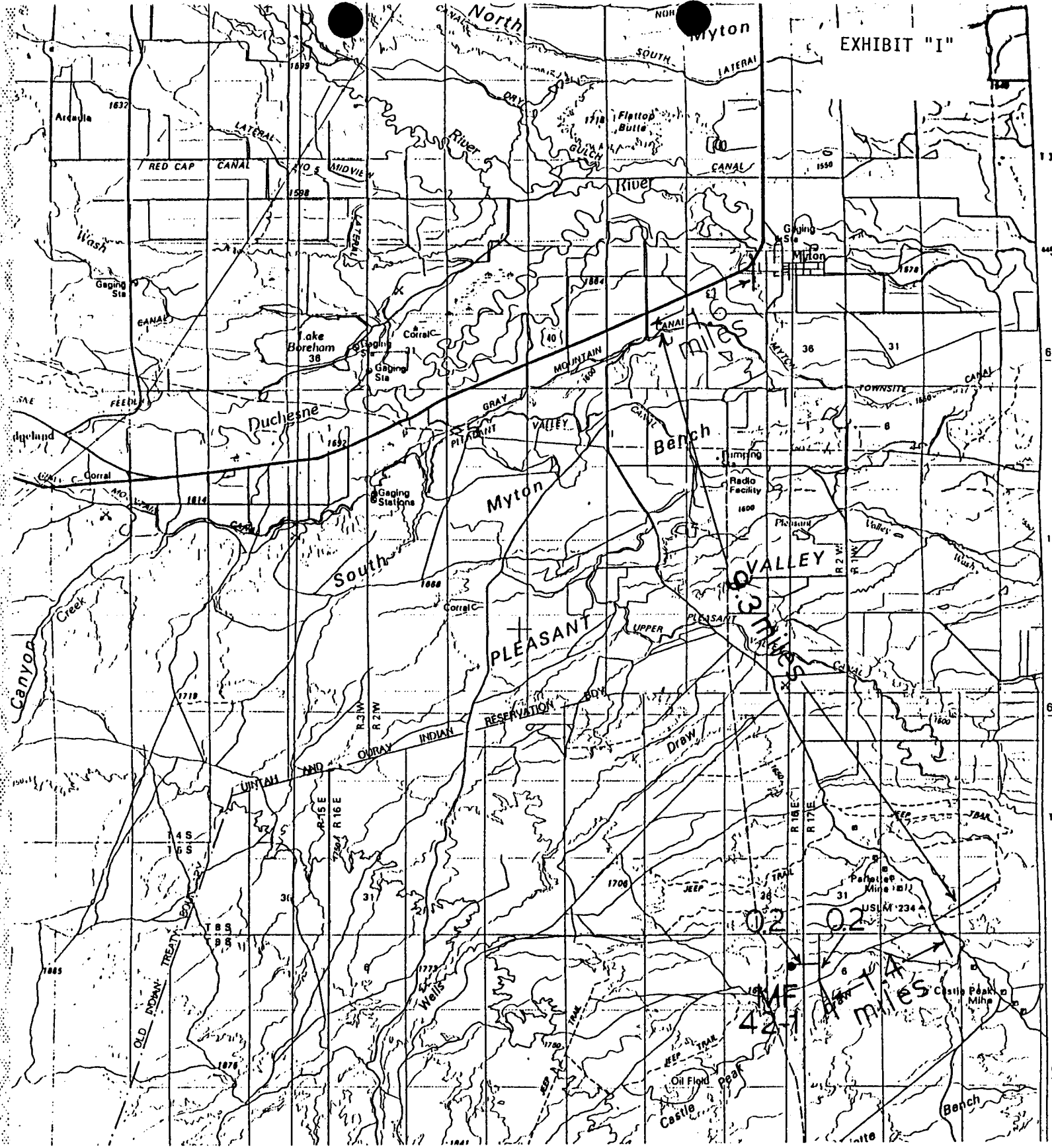
UNION DRILLING RIG #17

Hex Kelly

EXHIBIT "H"



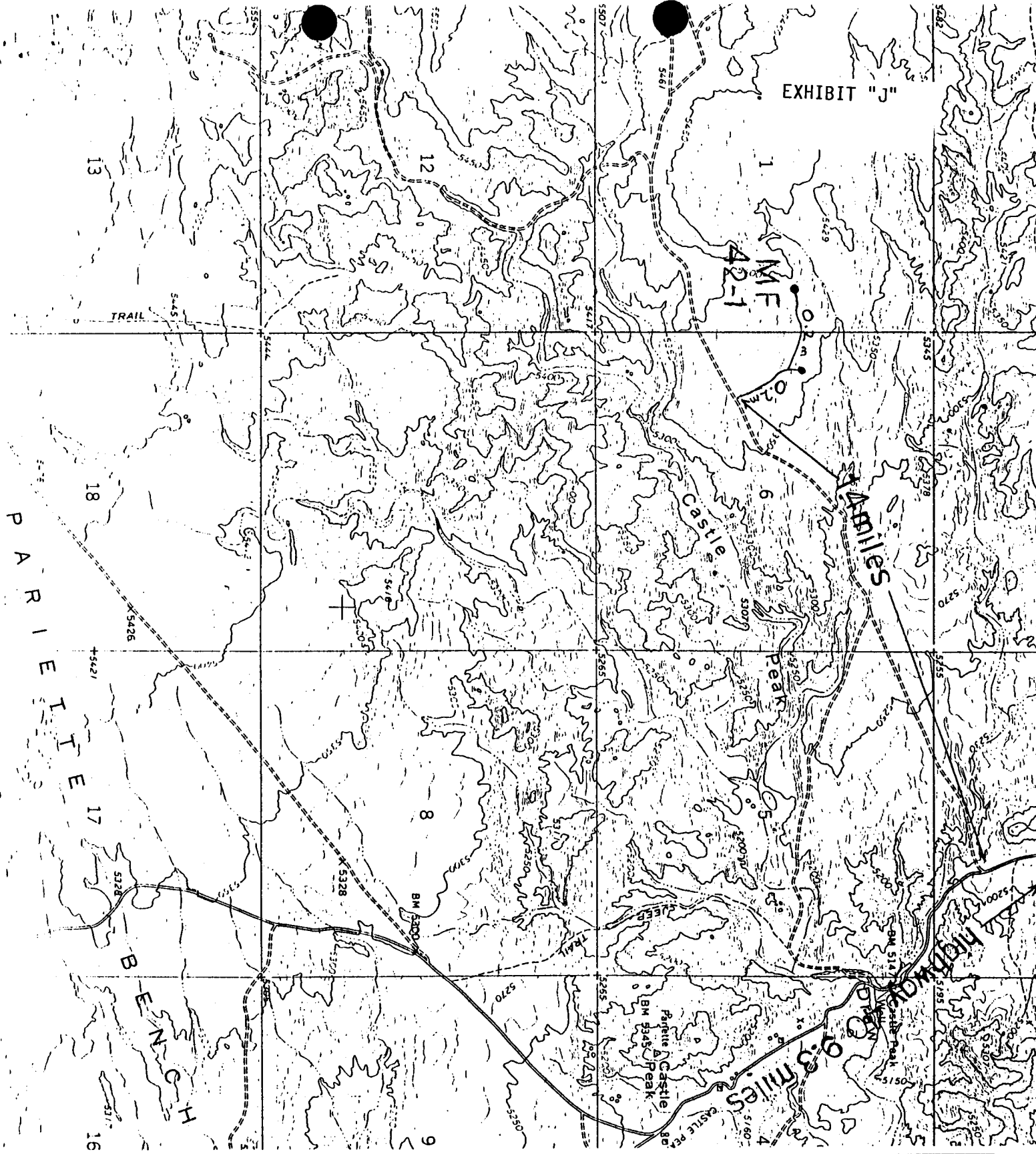
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EQUITABLE RESOURCES ENERGY CO.
BALCRON MONUMENT FEDERAL #42-1J
MAP "A"



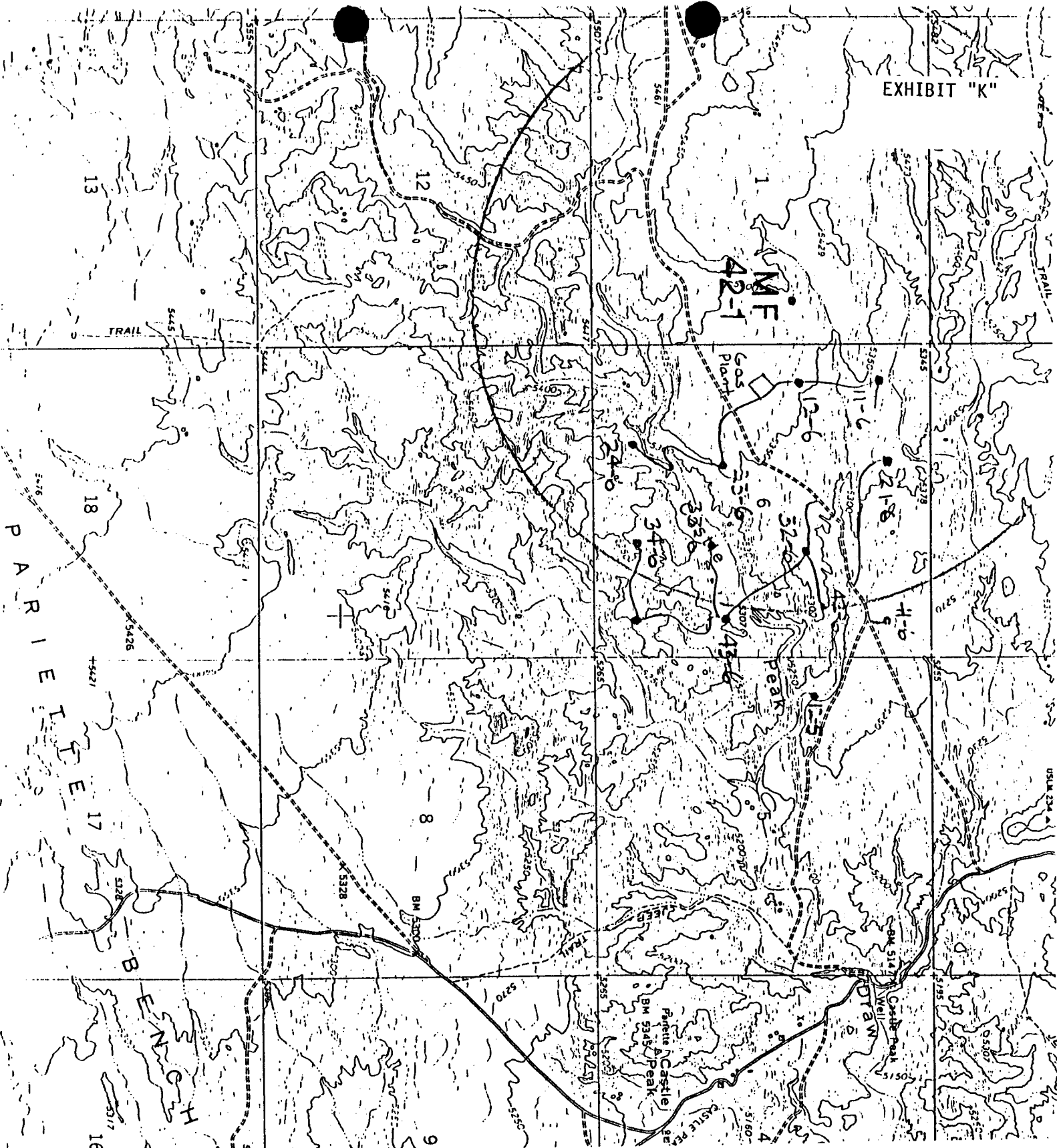
EXHIBIT "J"



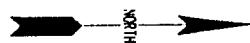
EQUITABLE RESOURCES ENERGY CO.
BALCLUTHA MONUMENT FEDERAL #42-1J
MAP "B"

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

EXHIBIT "K"

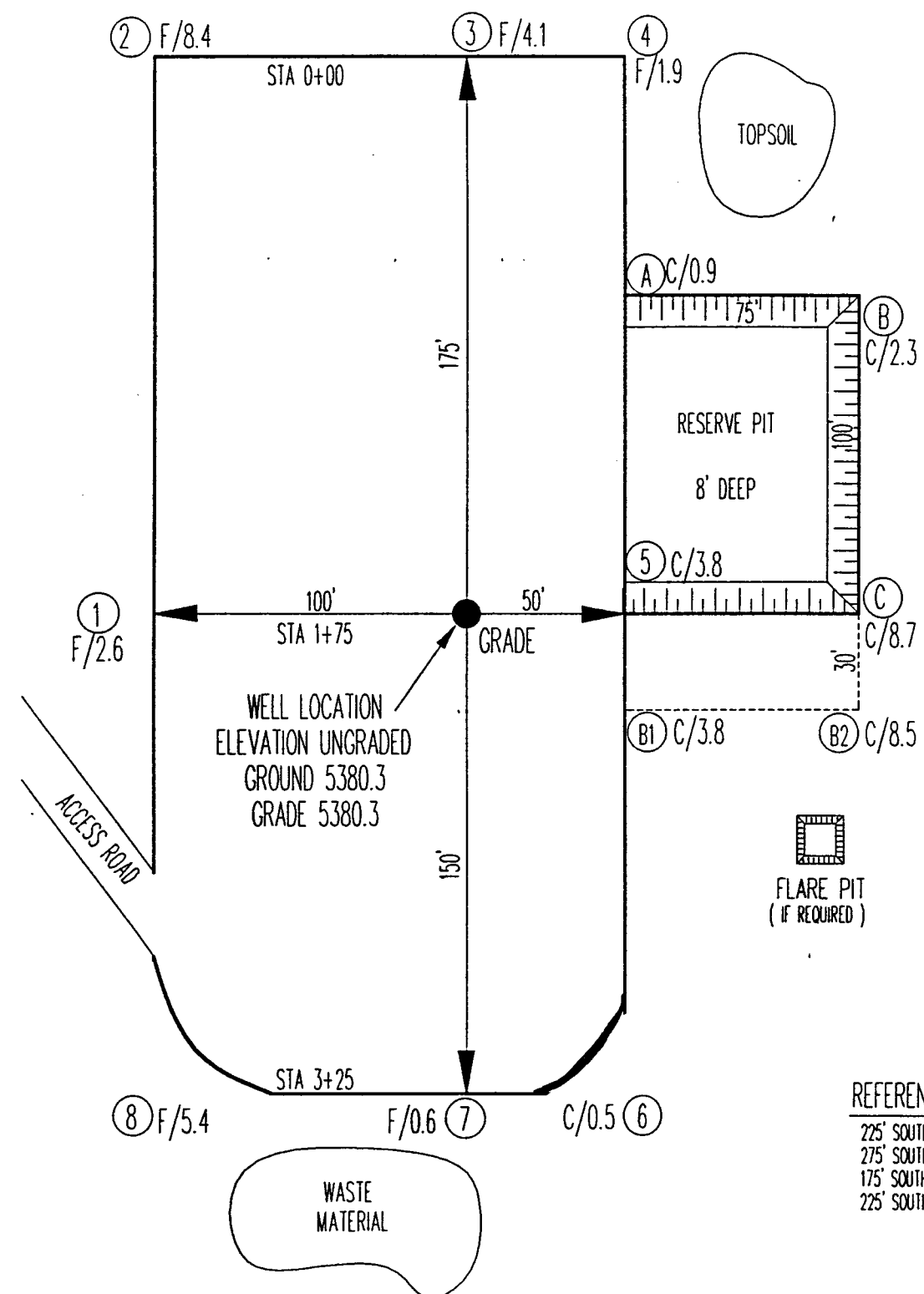


EQUITABLE RESOURCES ENERGY CO.
BALCLUTHA MONUMENT FEDERAL #42-1J
MAP "C"



TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

EQUITABLE RESOURCES ENERGY CO.
BALCRON MONUMENT FEDERAL #42-1J

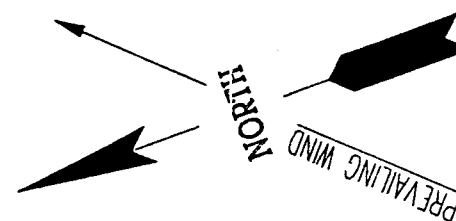
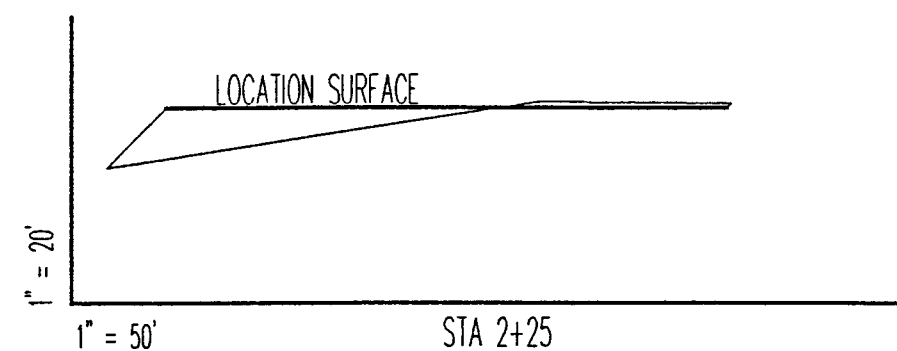
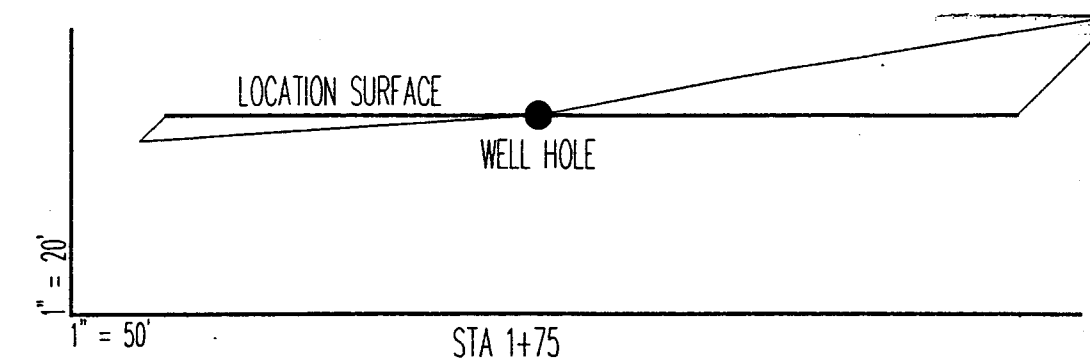
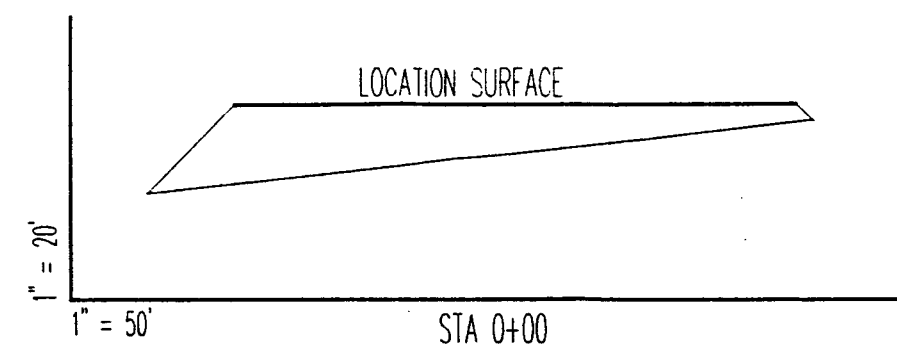


REFERENCE POINTS

225' SOUTHEAST 5375.7'
275' SOUTHEAST 5374.7'
175' SOUTHWEST 5393.7'
225' SOUTHWEST 5395.3'

APPROXIMATE YARDAGE

CUT = 2860 Cu Yds
FILL = 2721 Cu Yds
PIT = 2222 Cu Yds



TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 08/23/93

OPERATOR: EQUITABLE RESOURCES
WELL NAME: BALCRON MONUMENT FED 42-1J

OPERATOR ACCT NO: N- 9890

API NO. ASSIGNED:

43 - 013 - 31404

LEASE TYPE: FED
LOCATION: SENE 01 - T09S - R16E
FIELD: MONUMENT BUTTE (105)

LEASE NO:

U-40650

DUCHESNE COUNTY

FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond

(Number federal)

☒ Potash (Y/N)

☒ Oil shale (Y/N)

☒ Water permit

(Number and water permit #)

☒ RDCC Review (Y/N)

(Date: _____)

LOCATION AND SITING:

☒ R649-2-3. Unit: Tongah

☐ R649-3-2. General.

☐ R649-3-3. Exception.

☐ Drilling Unit.

Board Cause no: _____

Date: _____

COMMENTS:

Included in supplemental PDD of 8-4-93

STIPULATIONS:

+ water permit

CONFIDENTIAL

PERIOD

EXPIRED

ON 1-11-95



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 25, 1993

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Gentlemen:

Re: Balcron Monument Federal 42-1J Well, 2087' FNL, 692' FEL, SE NE, Sec. 1, T. 9 S., R. 16 E., Duchesne County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.



Page 2
Equitable Resources Energy Company
Balcron Monument Federal 42-1J Well
August 25, 1993

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31404.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth', is written over a horizontal line.

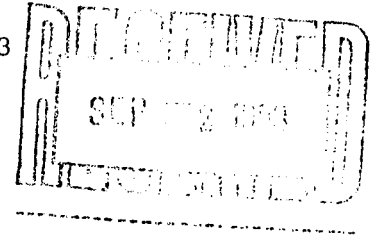
R.J. Firth
Associate Director, Oil and Gas

Idc
Enclosures
cc: Bureau of Land Management
Duchesne County Assessor
J.L. Thompson
WOI1



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668



42-013-31404 August 27, 1993
BALCROON MONUMENT Federal 42-1J
Sec. 1, T9S, R16E

**Subject: CULTURAL RESOURCE EVALUATION OF SEVEN
PROPOSED WELL LOCATIONS IN THE MONUMENT
BUTTES LOCALITY OF DUCHESNE COUNTY, UTAH**

Project: Balcron Oil -- 1993 Development

Project No.: BLCR-93-4

Permit No.: Dept. of Interior -- UT-93-54937

State Project No: UT-93-AF-446b

RECEIVED

SEP 03 1993

DIVISION OF
OIL, GAS & MINING

To: Ms. Bobbi Schuman, Balcron Oil Division, P.O. Box 21017, Billings, Montana
59104

Mr. David Little, District Manager, Bureau of Land Management, 170 South 500
East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,
Utah 84101

**CULTURAL RESOURCE EVALUATION
OF SEVEN PROPOSED WELL LOCATIONS
IN THE MONUMENT BUTTES
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937
AERC Project 1395 (BLCR-93-4)

Utah State Project No.: UT-93-AF-446b

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
Glade V Hadden



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853

August 27, 1993

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of seven proposed well locations situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 79.86 acres, of which 9.86 acres (.8 miles) include five separate access roads associated with units MF 42-1, MF 21-12, 14-12J, 24-12J and 24-4Y. The remaining 70 acres involve 10 acre parcels at all seven of the proposed well locations. These evaluations were conducted by Glade Hadden of AERC on August 25 and 26, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci were discovered during the examinations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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GENERAL INFORMATION

On August 25 and 26, 1993, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved seven proposed well locations and associated access routes located in the Monument Buttes area south of Myton, Utah. Some .8 miles of access routes (9.86 acres) and seven - 10 acre well pads were examined. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments on these well locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

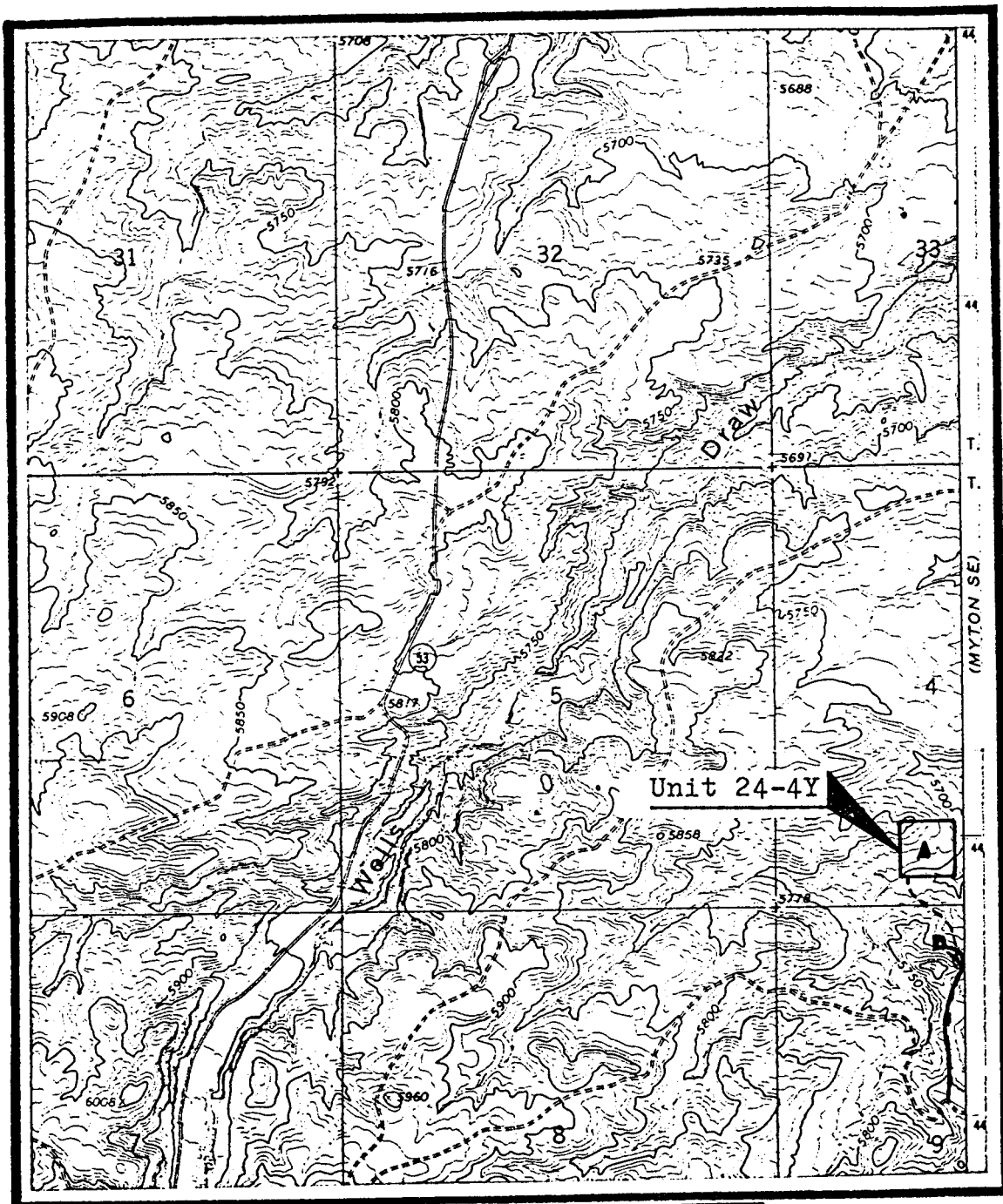
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE and Myton SW 7.5 minute topographic quads.

Unit 24-4Y is situated in the SE - SW quarter of Section 4, Township 9 South, Range 16 East. Its access route extends ca. .25 mi. north from an existing well location (Balcron Unit 21-9Y) (See Map 1).

Unit 12-12J is in the SW - NW quarter of Section 12, Township 9 South, Range 16 East. This unit is accessible via an existing road which extends westerly from the main Monument Buttes road (See Map 2). The well location is directly adjacent this road, so no separate access route is necessary.



T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SW
Utah

MAP 1
Cultural Resource Inventory
of Proposed Well Unit
24-4Y in the Monument
Buttes Locality, Duchesne C.

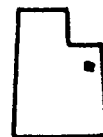
Legend:

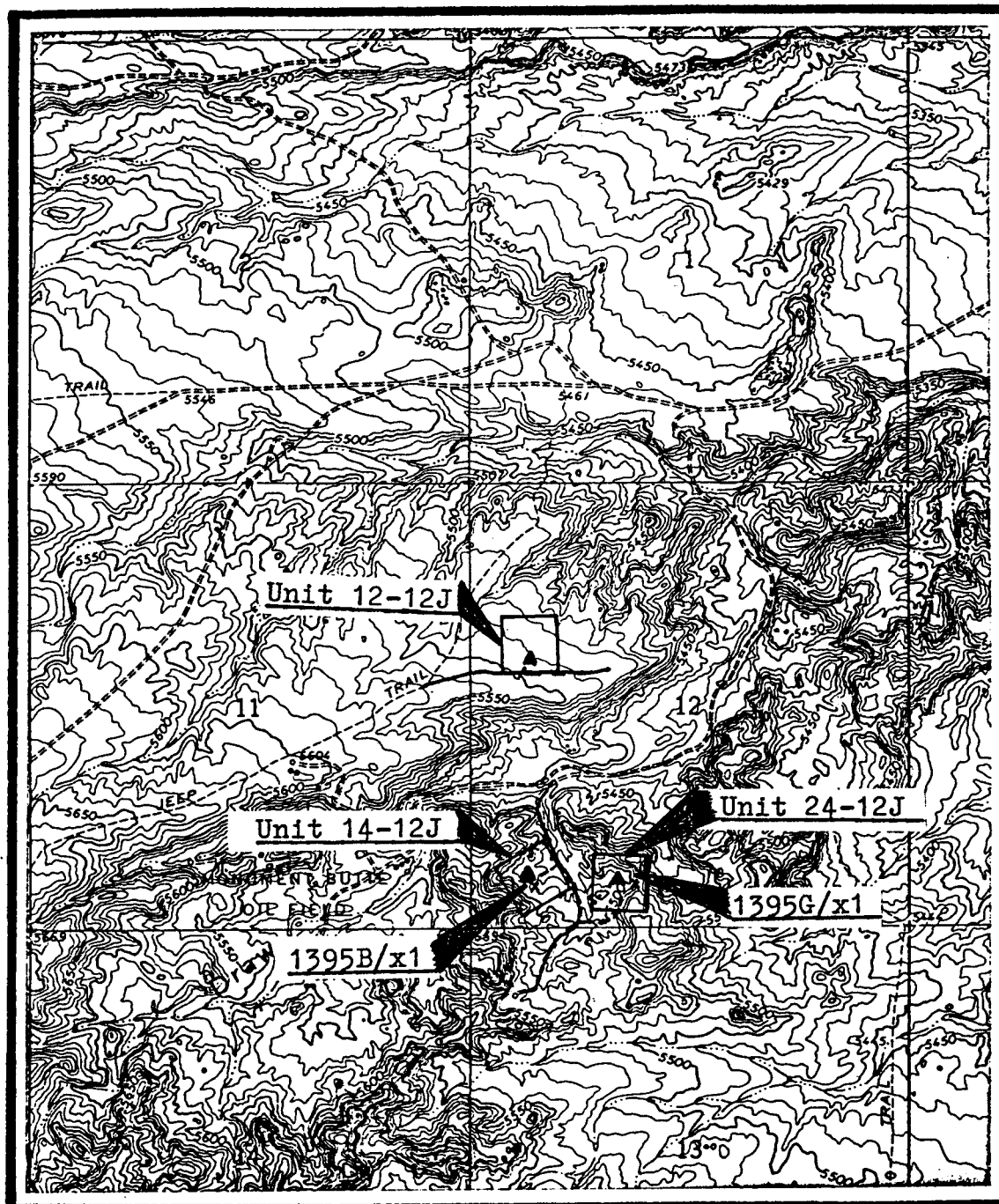
Well Center Stake ▲
10 Acre Well Pad □
Access Route - - -
Existing Road ~~~

4
N

Project: BLCR-93-4
Series: Uinta Basin
Date: 8/30/93

Scale: 1:24,000





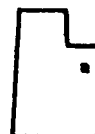
T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SE
Utah

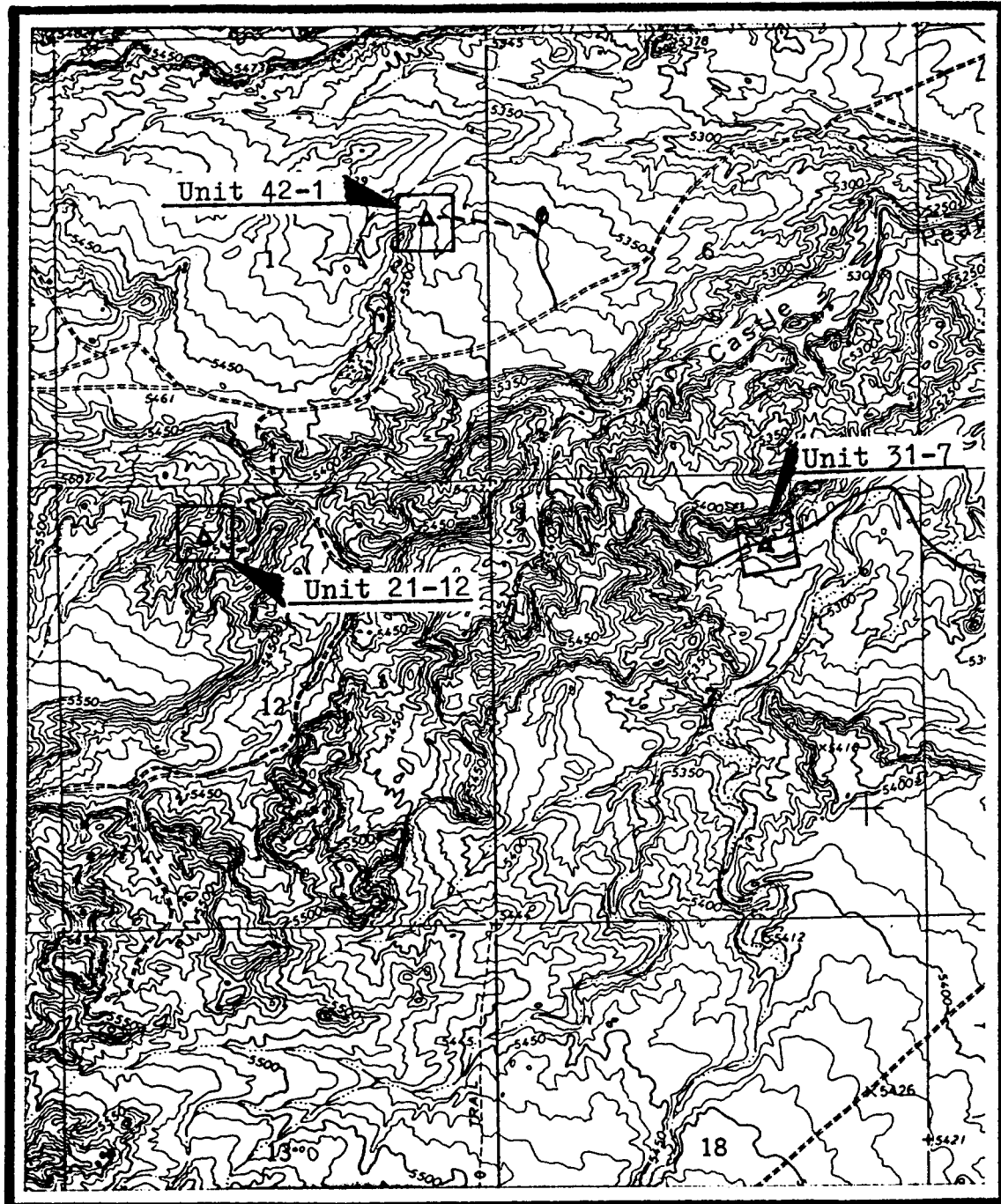
MAP 2
Cultural Resource Inventory
of Proposed Well Units
12-12J, 14-12J and 24-12J
Monument Buttes Locality

Legend:
Well Center Stake ▲
10 Acre Well Pad □
Access Route - - -
Existing Road —
Isolated Artifact X

4
N

Project: BLCR-93-4
Series: Uinta Basin
Date: 8/30/93
Scale: 1:24,000





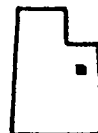
T. 9 South
R. 16 / 17 East
Meridian: SL
Quad: Myton SE
Utah

MAP 3
Cultural Resource Inventory
of Proposed Well Units
42-1, 31-7 and 21-12 in the
Monument Buttes Locality

Legend:
Well Center Stake
10 Acre Well Pad
Access Route
Existing Road

4
N

Project: Scale: 1:24,000
Series: BLCR-93-4
Date: Uinta Basin
8/30/93



Unit 14-12J is located in the SW - SW of the previous section (Section 12). This unit is reached via an existing road which runs south from the Castle Peak Draw / Monument Buttes Oil Field access road (See Map 2). A ca. 200 foot-long access route leads west from the spur road to the well location.

Unit 24-12J is situated in the SE - SW of the previous section (Sec. 12) along the same spur road which serves the previous unit (See Map. 2). A ca. 400 foot access route leads northeasterly into this location.

Unit 42-1 is in the SE - NE quarter of Section 1 in the same township and range. This unit may be reached from a spur road leading north past the Balcron Plant in section one, just off the main Monument Buttes access road. From an existing well, the access route for this unit extends ca. .2 mi. to the west (See Map 3).

Unit 31-7 is located in the NW - NE quarter of Section 7, Township 9 South, Range 17 East. This unit lies directly adjacent to an existing road which runs northwesterly from the main Pariette Bench road located in Section 8 (See Map 3).

Unit 21-12 is situated in the NE - NW quarter of Section 12, Township 9 South, Range 16 East. From the Castle Peak Draw / Monument Buttes Oil Field road, a ca. .25 mi. access route runs west to connect with the well location (See Map 3).

Environmental Description:

The project area is within the 5400 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Eriogonum spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on August 23, 1993. A similar search was conducted in the Vernal District Office of the BLM on August 25, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 15 meter wide transects over a ten acre pad around each well location center stake. In addition, each access route was inventoried by the archaeologist walking a pair of 10 - 15 meter transects on each side of the flagged access route. Thus, a 35 meter-wide or 100 foot-wide corridor (ca. 9.86 acres) was examined for the total ca. .8 mile length of proposed access routes.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory:

No prehistoric cultural resource activity loci were observed or recorded during the archaeological evaluations. No diagnostic tools or buried deposits were found within this site.

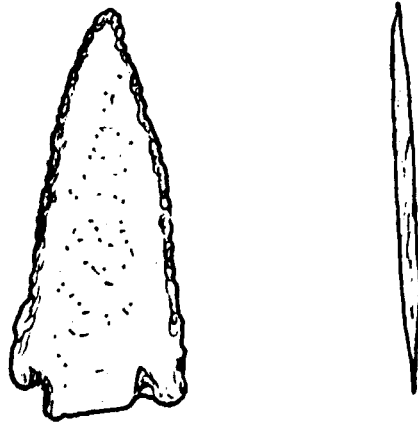
No previously recorded sites are located within the proposed development zones.

No significant or National Register sites were noted or recorded during the survey.

A number of isolated artifacts were observed or collected during the survey. A single corner notched projectile point (1395B/x1) was recovered by BLM archaeologist Blaine Phillips from near the well center stake of unit 14-12J during the initial reconnaissance of the well location. No other artifacts were noted at this location. At well unit 24-12J, an isolated exhausted core (1395G/x1) was observed on the ridge overlooking the well location. No other artifacts were noted in the vicinity. Two additional isolated artifacts were noted in the access road to unit 42-1. These finds consisted of two pieces of lithic debitage from a similar material source. Since both flakes were found in the bottom of an ephemeral drainage channel, and since no other artifacts could be located nearby, it is probably that these flakes are in a disturbed secondary context, having been transported to their present position by water action.

No paleontological loci were observed or recorded during the evaluations.

Isolated Artifact
1395B/x1



Isolated Artifact
1395G/x1

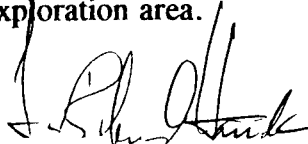


CONCLUSION AND RECOMMENDATIONS

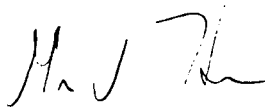
No known significant cultural or paleontological resources will be adversely impacted during the development and operation of the Balcron Oil Company well locations evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments proposed on these well locations based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator



Glade V Hadden
Field Supervisor

REFERENCES

Hauck, F. Richard

- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Authorization No. U.9.3.A.F.4.4.6.b. .

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___

Summary Report of
Inspection for Cultural Resources

Comments: _____

S E V E N W E L L L O C A T I O N S I N T H E

M O N U M E N T B U T T E S L O C A L I T Y

1. Report Title

Balcron Oil Company (BLCR-93-4)

2. Development Company _____

3. Report Date 0 8 2 7 1 9 9 3 UT-92-54937

4. Antiquities Permit No. _____

A E R C B L C R 9 3 - 4 Date

5. Responsible Institution County _____

6. Fieldwork 9 S 1 7 E 0 7

Location: TWN RNG Section. . . | . . . | . . . | . . . |

7. Resource 9 S 1 6 E 0 1 0 4 1 2

Area TWN RNG Section. . . | . . . | . . . | . . . |

.S M.

8. Description of Examination Procedures: The archeologist, Glade V Hadden intensively examined the proposed well locations by walking a series of 10 to 20 meter-wide transects across the ten acre study areas associated with each well pad and by walking paired 10 to 20 meter transects in a 100 foot-wide corridor centered on the flagged center-line stakes for each access route.

9. Linear Miles Surveyed I
and/or
Definable Acres Surveyed
and/or
Legally Undefinable 7 9 . 8 6
Acres Surveyed

10. Inventory Type . . .

R = Reconnaissance

I = Intensive

S = Statistical Sample

11. Description of Findings:
No significant or non-significant archaeological sites were identified or recorded during this survey.
Three sets of isolated artifacts were observed, of which one was collected.

12. Number Sites Found .0.
(No sites = 0)

13. Collection: .Y.
Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:
The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 8-23-93 Vernal BLM 8-25-93

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for this proposed development based on the following stipulations:
(see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.


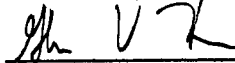
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator
 & Field Supervisor

UT 8100-3 (2/85)

Administrator

Field
Supervisor



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 [J]
FAX: (406) 245-1361 [P]

September 2, 1993

RECEIVED

SEP 03 1993

**DIVISION OF
OIL, GAS & MINING**

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are archeology reports which are to be added as part of our Applications for Permit to Drill the wells on the attached list.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

MONUMENT BUTTE DRILLING PROGRAM

SIXTH BATCH

=====

Balcron Federal #24-4Y

SE SW Section 4, T9S, R16E
Duchesne County, Utah
710' FSL, 2031' FWL
FLS #U-64379
PTD: 6,175'
GL 5,714.3'

Balcron Monument Federal #12-12J

SW NW Section 12, T9S, R16E
Duchesne County, Utah
1980' FNL, 660' FWL
FLS #U-096550
PTD: 5,800'
GL 5,542.8'

Balcron Monument Federal #14-12J

SW SW Section 12, T9S, R16E
Duchesne County, Utah
660' FSL, 660' FWL
FLS #U-035521-A
PTD: 5,750'
GL 5,487.5'

Balcron Monument Federal #24-12J

SE SW Section 12, T9S, R16E
Duchesne County, Utah
539' FSL, 1777' FWL
FLS #U-035521-A
PTD: 5,700'
GL 5,495.5'

Balcron Monument Federal #42-1J

SE NE Section 1, T9S, R16E
Duchesne County, Utah
2087.2' FNL, 692.4' FEL
FLS #U-40652
PTD: 5,850'
GL 5,380.3'

43-013-31404

CONFIDENTIAL

Balcron Monument Federal #21-12J

NE NW Section 12, T9S, R16E
Duchesne County, Utah
661.4' FNL, 1779.8' FWL
FLS #U-096550
PTD: 5,800'
GL 5,448.9'

43-013-31406

Balcron Monument Federal #31-7J

NW NE Section 7, T9S, R17E
Duchesne County, Utah
831.18' FNL, 1782.38' FEL
FLS #U-44426
PTD: 5,700'
GL 5,298.5'

43-013-31405



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

RECEIVED

SEP 29 1993

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361

September 27, 1993

DIVISION OF
OIL, GAS & MINING

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

CONFIDENTIAL

RE: Paleontology Reports

Enclosed are Paleontology Reports for the following wellsites and access roads:

Balcron Monument Federal #12-12J	43-013-31410	Sec 12 T9S R16E
Balcron Monument Federal #14-12J	43-013-31411	Sec 12 T9S R16E
Balcron Monument Federal #14-15	43-013-31384	Sec 15 T9S R16E
Balcron Monument Federal #21-12J	43-013-31406	Sec 12 T9S R16E
Balcron Monument Federal #24-12J	43-013-31409	Sec 12 T9S R16E
Balcron Monument Federal #31-7J	43-013-31405	Sec 7 T9S R17E
Balcron Monument Federal #42-1J	43-013-31404	Sec 1 T9S R16E
Balcron Federal #24-4Y	43-013-31412	Sec 4 T9S R16E

Also enclosed are the Monitoring Reports submitted by the paleontologist for the following wellsites:

Balcron Federal #21-9Y	43-013-31396	Sec 9 T9S R16E
Balcron Monument Federal #13-5	43-047-32261	Sec 5 T8S R25E

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

BALCRON OIL

Balcron Monument Federal #42-1J

SE NE Section 1, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

SEPTEMBER 6, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #42-1

Description of Geology and Topography-

This location is 9.5 miles south of Myton, Utah. It sits northeast of a northeast trending sandstone ridge on a rise which also trends northeast. Drainage off this rise is to the north and east from the location. The proposed access road leaves an existing road and runs west about 600 feet to the location. Much of the area is covered with blow sand, but there are outcrops of sandstone and mudstone of the Uinta formation, both along the access road and on the well location. The south side of the well location is fairly sand covered, but the north side has interbedded sandstone stringers and mudstone.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains. Plants from the Uinta Formation are not well represented in either the fossil record or the literature.

Paleontological material found -

There are several scattered turtle shell fragments northwesterly from the center stake, but no concentrations of turtle shell (representing individual turtles).

There are a few poorly preserved plant stem impressions in a sandstone on the north edge of the wellpad. This is roughly 34 yards north 30 degrees east of the center stake. It appears that there may be more plant material about 50 yards or so northeast of the site just described. None of the material found was identifiable, but identifiable material could be present in the form of leaves.

Recommendations-

Monitoring of this area during construction is not being recommended. However, the site should be looked at after construction to see if any additional plant material was exposed and determine the significance of the site.

Whereas vertebrate fossils are easily destroyed by such construction, identifiable plant material may be exposed during construction. The plant material seen during the survey has been weathering on the surface for many years. Exposure of fresh, unweathered material could provide significant specimens for study.

Plants are not well known from the Uinta Formation, although they are presumed

to be similar to those known from the underlying Green River Formation (Hamblin, 1987). Several other plant sites have been recorded in the Uinta Formation from this general area of the Uinta Basin (Hamblin, 1992a and 1992b), but no well preserved, identifiable material has yet been studied.

Collection of identifiable plant material in this area would provide valuable information on the flora of the Uinta Formation.

References cited-

Hamblin, A. H., 1987, Paleogeography and paleoecology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation - Upper Eocene): BYU Geology Studies vol. 34, no. 1, p. 33-60.

Hamblin, A. H., 1992a, Desert Spring Natural Gas Environmental Assessment: Uintah and Duchesne Counties, Utah, Supplementary Report to Technical Report No. 2: Paleontological Resources. Mariah Associates, Inc., Laramie, Wyoming, MAI project 702.

Hamblin, A. H., 1992b, Paleontology of the Monument Butte Environment Assessment Study Area, For Mariah Associates, Inc., Laramie, Wyoming.

Robert H. Hamblin
Paleontologist

Date *September 13, 1993*

PALEONTOLOGY LOCALITY Data Sheet										Page 1 of 2 plus map									
										State Local. No. 42 DC 131P									
										Agency No.									
										Temp. No MONUMENT BUTTE OIL FIELD BALCRON FED. #42-1									
1. Type of locality Invertebrate			Plant		X		Vertebrate		x		Trace		Other _____						
2. Formation: UINTA					Horizon: "B"					Geologic Age: Late Eocene									
3. Description of Geology and Topography: The location sits northeast of a northeast trending sandstone ridge on a rise which also trends northeast. Drainage off this rise is to the north and east from the location. The proposed access road leaves an existing road and runs west about 600 feet to the location. Much of the area is covered with blow sand, but there are out crops of sandstone and mudstone of the Uinta formation, both along the access road and on the well location. The south side of the well location is fairly sand covered, but the north side has interbedded sandstone stringers and mudstone.																			
4. Location of Outcrop: This location is 9.5 miles south Myton, Utah.																			
5. Map Ref.		USGS Quad		Myton SE, Utah				Scale		7.5 Min		Edition		1964					
center	of	SE1/4	of	NE1/4	of Sectn	1	T	9 S	R	16E	Meridn	SLB							
6. State: UTAH			County: DUCHESNE COUNTY				BLM/FS District: VERNAL- DIAMOND MT.												
7. Specimens Collected and Field Accession No. None																			
8. Repository:																			
9. Specimens Observed and Disposition: There are a few poorly preserved plant stem impressions in a sandstone on the north edge of the wellpad. This is roughly 34 yards north 30 degrees east of the center stake. It appears that there may be more plant material about 50 yards or so northeast of the site just described. None of the material found was identifiable, but identifiable material could be present in the form of leaves. There are several scattered turtle shell fragments northwesterly from the center stake, but no concentrations of turtle shell (representing individual turtles).																			
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL	OTHR				

11.Recommendations for Further Work or Mitigation: Monitoring of constructions is not being recommended. However, the site should be inspected after construction to see if any addition plant material was exposed. Plants are not well known from the Uinta Formation, although they are presumed to be similar to those known from the underlying Green River Formation (Hamblin, 1987). Several other plant sites have been recorded in the Uinta Formation from this general area of the Uinta Basin (Hamblin, 1992a and 1992b), but no well preserved, identifiable material has yet been studied.

12.Type of Map Made by Recorder:

13.Disposition of Photo Negatives:

14.Published References:

Hamblin, A. H., 1987, Paleogeographpy and paleoecology of the Myton Pocket, Uinta Basin, Utah (Uinta Formation - Upper Eocene): BYU Geology Studies vol. 34, no. 1, p. 33-60.

Hamblin, A. H., 1992a, Desert Spring Natural Gas Environmental Assessment: Uintah and Duchesne Counties, Utah, Supplementary Report to Technical Report No. 2: Paleontological Resources. Mariah Associates, Inc., Laramie, Wyoming, MAI project 702.

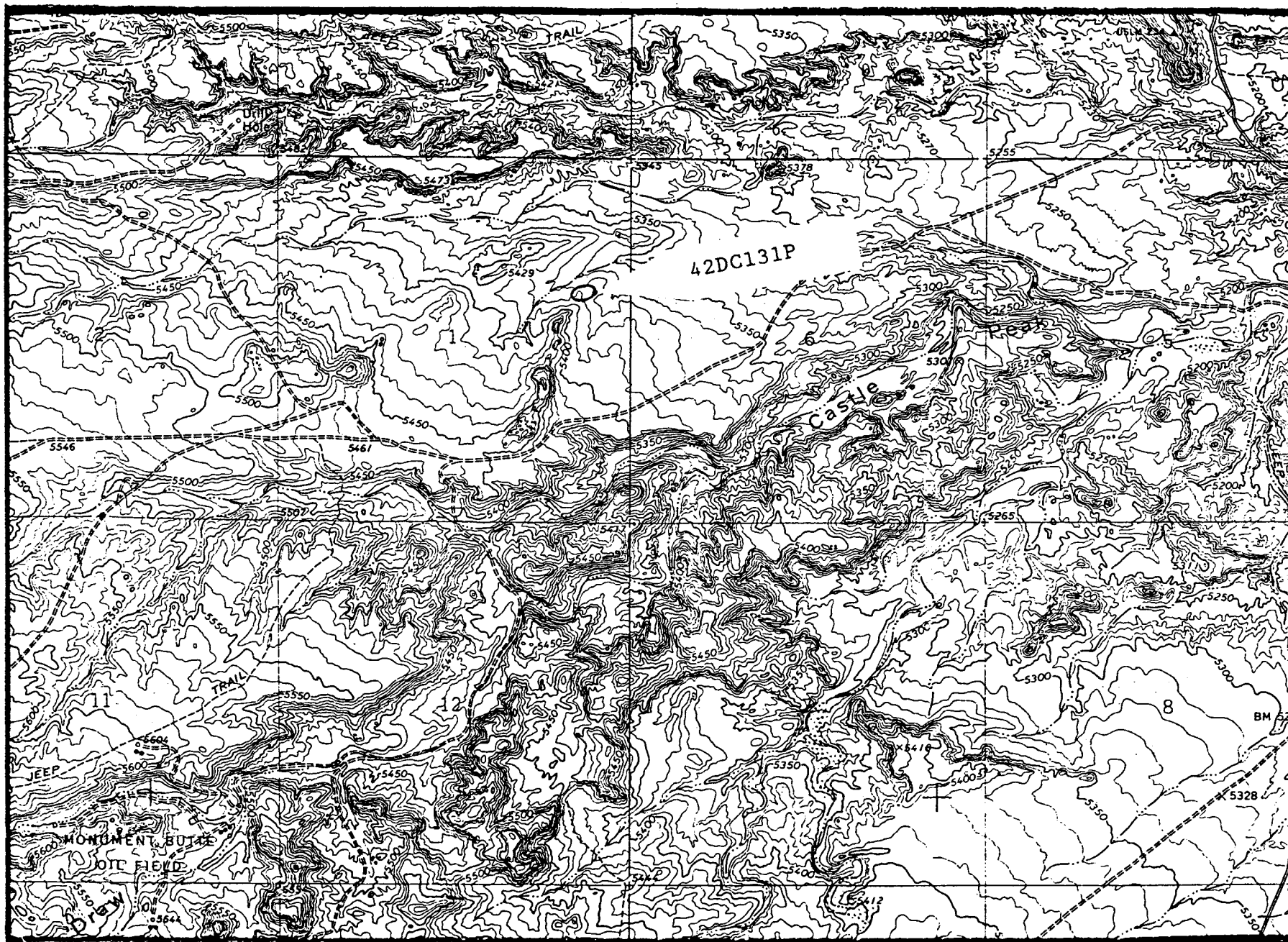
Hamblin, A. H., 1992b, Paleontology of the Monument Butte Environment Assessment Study Area, For Mariah Associates, Inc., Laramie, Wyoming.

15.Remarks:

16.Sensitivity:	Critical		Significant	X	Important		Insignificant	
------------------------	----------	--	-------------	---	-----------	--	---------------	--

17.Recorded by: Alden Hamblin,
Paleontologist

Date: September 3, 1993



42DC131P

BALCLUTHA MONUMENT BUTTE FEDERAL #42-1

SE NE SEC. 1, T9S, R16E, SLB&M

MYTON SE, UTAH QUAD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

SE NE Sec. 1, T9S, R16E

2087.2' FNL, 692.4' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles SW of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6,000' 5,850'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,380.3' GL

22. APPROX. DATE WORK WILL START*

Upon APD Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
See drilling	program/casing	design	

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM/CASING DESIGN
"E" EVIDENCE OF BOND COVERAGE
"F" SURVEY PLAT

"G" RIG LAYOUT
"H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT & FILL DIAGRAM

DIVISION OF
OIL, GAS & MINING
AUG 23 1993

CONFIDENTIAL

Please note change in well # from the NOS. This should be the #42-1J.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Bobbie Schuman

TITLE

Coordinator of Environmental
and Regulatory Affairs

DATE

8/20/93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

ASSISTANT DISTRICT
MANAGER MINERALS

SEP 28 1993

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UT-080-3M-082

WELL LOCATION INFORMATION

Company/Operator Equitable Resources Energy Co.
API Number 43-013-31404
Well Name & Number Balcron Monument Federal No. 42-1J
Lease Number U-40652
Location SENE Sec. 1 T. 9S. R. 16E.
Surface Ownership BLM
Date NOS Received September 23, 1993
Date APD Received August 23, 1993

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL

Water will be applied to new/existing roads for dust abatement as needed. Where new or existing roads become damaged from the operators use, the operator will apply water/gravel to keep the roads from blowing or washing away.

The plastic liner will have sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

The flare pit, if required, will be downwind so as not to be able to blow onto the wellhead.

Prior to reclaiming of any disturbed areas, the operator will contact the Authorized Officer of the BLM to determine the most desirable site specific seed mixture for reclamation.

Seeding will be done between September 15 and when the ground freezes, unless otherwise approved by the AO.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 24-48 hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Equitable Resources Energy Company Well No. Monument Federal 42-1J

Location SENE Section 1, T9S, R16E Lease No. U - 40652

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at \pm 295 ft or by setting the surface casing at \pm 350 ft and having a cement top for the production casing at least 200 ft above the top of the Mahogany oil shale, identified at 3,088 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to \pm 2,888 ft. if the surface casing is set at \pm 350 or it will be run to \pm 95 ft. if the surface casing is set at \pm 260 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
-----------------	----------------

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 42-1J

API NO. 43-013-31404

Section 1 Township 9S Range 16E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED: Date 10/19/93

Time 10:00 AM

How DRY HOLE

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 10/22/93 SIGNED DI

Balcron Oil
DAILY OPERATING REPORT

DATE: 10/20/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte
PTD: 5,850' Green River Oil - Dev.

10-19-93 Well spud @ 10 a.m. 10-19-93.

BALCRON MONUMENT FEDERAL #14-5J

Operator: EREC/Balcron
BOD WI: 79.78%
Location: SW SW Section 5, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

10-19-93 Completion

MIRU Basin Well Service Rig #2. NU BOP, TIH w/5-1/2" csg scraper, SN & 184 jts 2-7/8" tbq. Tag PBTD @ 4652' KB. Circ hole clean w/130 bbls 2% KCL wtr. Test csg & BOP to 1000 psi - OK. SWIFN.
DC: \$12,790

BALCRON MONUMENT FEDERAL #41-15J

Operator: EREC/Balcron
BOD WI: 79.78%
Location: NE NE Section 15, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

10-20-93 Completion

CP - 35 psi. RU Western to frac. Refer to treatment report attached.
RD Western. SWIFN. Load to recover 967 BW.
DC: \$17,994

BALCRON MONUMENT FEDERAL #32-15J

Operator: Balcron/EREC
BOD WI: 79.78%
Location: SW NE Section 15, T9S, R16E
Duchesne County, Utah
Prospect: Monument Butte

---TIGHT HOLE---

10-20-93 TD: 5,610' (0') Day 11

Formation: Green River

Present Operation: Run 5-1/2" csg.

Log well, TIH, circ, LD drill pipe & collars. Run 5-1/2" csg.

DC: \$32,600

CC: \$188,022

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.
P.O. Box 21-17, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE NE Section 1, T9S, R16E
2087.2' FNL, 692.4' FEL

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #42-1J

9. API Well No.

43-013-31404

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Spud of well.	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud on 10-19-93 at 10 a.m. by a dry-hole spudder (Leon Ross).

14. I hereby certify that the foregoing is true and correct

Signed

Robbie Schuman

Coordinator of Environmental and
Regulatory Affairs

Date October 20, 1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



EQUITABLE **RESOURCES**
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

CONFIDENTIAL

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

October 21, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R17E 16E
Duchesne County, Utah

Enclosed is our Report of Spud for the referenced well.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining -
also enclosed is the Entity Action Form.
Dawn Schindler
Mary Lou Dixon - via FAX

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company
Balcron Oil Division

ADDRESS P.O. Box 21017
Billings, MT 59104
(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11572	43-013-31404	Balcron Monument Federal #42-LJ	SE NE	1	9S	16E	Duchesne	10-19-93	10-19-93
WELL 1 COMMENTS: Spud of a new well.											
WELL 2 COMMENTS: 007 25 1893											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Date: 10/20/93

Bobbie Schuman

Signature Bobbie Schuman
Coordinator of Environmental and
Regulatory Affairs

Phone No. (406) 259-7860



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐

October 25, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #42-1J
Balcron Monument Federal #24-12J
Balcron Monument Federal #14-12J
Balcron Monument Federal #21-12J

Enclosed is our sundries report our water source for the
above referenced wells.

Please feel free to contact me if you need any additional
information.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

cc: State of Utah, Division of Oil, Gas, & Mining

RECEIVED

OCT 28 1993

**DIVISION OF
OIL, GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21-17, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 1, T9S, R16E

2087.2' FNL, 692.4' FEL

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #42-1J

9. API Well No.

43-013-31404

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Water Source

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator's water source will be from an approved source in Section 15, T4S, R2W from a well permitted by Joe Shields under permit #57708. A copy of that permit is attached to this sundry. The water will be trucked by Jim Neleker Trucking out of Roosevelt, Utah.

CONFIDENTIAL

RECEIVED

OCT 28 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Dobbie Schuman

Coordinator of Environmental and
Regulatory Affairs

Date October 21, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

APPLICATION TO APPROPRIATE WATER
STATE OF UTAH

47-1674

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☒ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is Joe Shields
3. The Post Office address of the applicant is Myton, Utah 84052
4. The quantity of water to be appropriated .015 second-feet and/or _____ acre-feet
5. The water is to be used for Stockwatering & Other from _____ to _____
(Major Purpose) (Month) (Day) (Month) (Day)
other use period Irrigation from Apr. 1 to Oct. 31
(Minor Purpose) (Month) (Day) (Month) (Day)
and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)

7. The direct source of supply is* Drain
(Name of stream or other source)

which is tributary to _____, tributary to _____

*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point*
West 900 ft. South 1100ft. from E½ Cor. Sec. 15, T4S, R2W, USB&M
(3½ Miles SW of Myton)

*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection ditch to place of use

10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____
area inundated in acres _____ legal subdivision of area inundated _____

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:
NE¼SE¼ Sec. 15, T4S, R2W, USB&M

_____ Total .25 Acres

12. Is the land owned by the applicant? Yes X No _____ If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes _____ No X

If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. _____

15. If application is for mining, the water will be used in _____ Mining District at
the _____ mine, where the following ores are mined _____

16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle
in NE¼SE¼ Sec. 15, T4S, R2W, USB&M

17. If application is for domestic purposes, number of persons _____, or families _____

18. If application is for municipal purposes, name of municipality _____

19. If application is for other uses, include general description of proposed uses 011 Field use

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Myton 011 Field in Pleasant Valley

21. The use of water as set forth in this application will consume .015 second-feet and/or acre-feet of water and None second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: _____

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

(This area contains horizontal lines for additional explanatory text.)

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

[Signature]
Signature of Applicant*

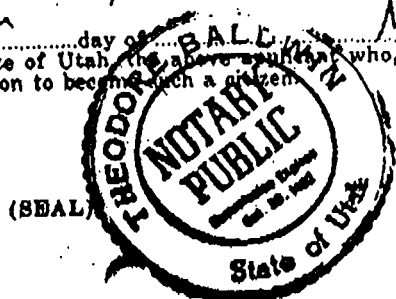
*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, *Uintah* } ss
County of *10th*

On the *10th* day of *May*, 19 *82*, personally appeared before me, a notary public for the State of Utah, *Frederic Baldwin*, who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:



Theodore Baldwin
Notary Public



GEOLOGIC AND DRILLING REPORT
43-013-31404
BALCRON OIL
MONUMENT BUTTE FEDERAL NO. 42-1J
SENE SECTION 1-T9S-R16E
DUCHESNE COUNTY, UTAH

CONFIDENTIAL

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

GEOLOGIC AND DRILLING REPORT

43-013-31404

BALCRON OIL

MONUMENT BUTTE FEDERAL NO. 42-1J

SENE SECTION 1-T9S-R16E

DUCHESNE COUNTY, UTAH

BALCRON OIL

P.O. BOX 21017

Billings, Montana 59104

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Strip Log-----	Pocket

Prepared by:

M.K. Jones
P.O. Box 21194
Billings, MT 59104
(406) 652-4505

Well Summary

OPERATOR: Balcron Oil
LEASE AND WELL NAME: Monument Butte Federal No.42-1J
LOCATION: SENE (2087' fn, 692' fe)
Section 1-T9S-R16E
Duchesne County, Utah
5380 Ground, 5390 K.B.
ELEVATION: October 19, 1993
SPUD DATE: Ran Production Casing , Oil Well
COMPLETION DATE: November 14, 1993
November 12, 1993
CASING POINT, DATE: 5850' Driller Depth, 5836' Logger Depth
TOTAL DEPTH: Awaiting Completion
WELL STATUS: Union Drilling, Inc.
DRILLING CONTRACTOR: 17
RIG NO.: Surface; 12 1/4" to 366'
HOLE SIZE: Main Hole; 7 7/8" to Total Depth
SURFACE CASING: 8 Jts (359.40') 8 5/8", 24# J-55 @ 366 K.B.
MUD PROGRAM: w/180 sx "G" + 2% CaCl + 1/4#sk Celoflake,
LOGS: Drill w/ air & mist to 5406'; KCL Water to TD
CORES: Schlumberger DLL-MSFL, LDT-CNL-GR-Caliper
DRILL STEM TESTS: None
SAMPLE QUALITY: None
SAMPLE DISPOSITION: Good
PRODUCTION CASING: Utah Geological Sample Library
5 1/2", 15.5# @ Total Depth

DRILLING EQUIPMENT:
RIG: Draw Works Cabot-Franks Rocket
Mast Make Cabot Height 87'
Power Caterpillar 343 Diesel

BLOW OUT PREVENTER:
Make Schaeffer, Model 10" - 3000#
Type Hydraulic Dbl Ram
Drill Pipe Size 4 1/2" Thread X11 16.6#
Drill Collars: NO.18, Length 496'
Thread 4" 11-90, ID 2 1/2", OD 6"

PUMP: NO. 1 Make GD, Model 200 FX,
Stroke Length 14"
Liner ID 5 1/2".
Power Twin 671 Detroit Diesels

Penetration Record

DAILY DEPTH AT 6:00 A.M.

Monument Butte Federal 42-1J

<u>DATE</u>	<u>PENETRATION</u>		<u>TIME DISTRIBUTION</u>				<u>REMARKS</u>
	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>DRILLING</u>	<u>REPAIRS</u>	<u>OTHER</u>	<u>DAY WORK</u>	
10/19/93	30	30	2	-	-	-	Spud @ 3:00 PM
10/20/93	366	336	10	-	-	-	Drill 2 1/4" to 366'
10/22/93	-	-	-	-	-	-	Run & Cmt 8 5/8" Csg
11/06/93	366	-	-	-	-	-	Move In, Union No.17
11/07/93	785	419	7 1/4	-	16 3/4	-	-
11/08/93	2047	1262	18 1/2	2 1/2	3	-	Repair Hydromatic
11/09/93	3061	1014	17 1/4	-	6 3/4	-	Fish for Bit Parts
11/10/93	3865	804	17	-	7	-	Trip f/Bit
11/11/93	4863	998	21 3/4	-	3 1/4	-	-
11/12/93	5450	587	12 1/2	-	11 1/2	-	Trip f/Bit; Load Hole
11/13/93	5850	400	14	-	10	8	Drilling w/Water
11/14/93	5850	-	-	-	24	24	Wait on Logger
11/15/93	5850	-	-	-	4	4	Log w/SJ
							Lay Down D/P
							Run & Cmt 5 1/2" Csg
							Rig Down
							Rig Released
							10:00 PM, 11/14/93

TIME DISTRIBUTION SUMMARY

Rotating Hours----- 108 1/4 Hours
 Days on Location----- 9 Days
 Rig Repair----- 2 1/2 Hours
 Day Work----- 36 Hours

Mud Check



Monument Butte Federal No. 42-1J

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>SALT</u>	<u>KCl %</u>
11/07/93	785	Drilling with Air and Mist						1850 CFM
Load Hole with KCL Water and Drill Ahead with Water								
11/12/93	5406	8.3	26	10.5	-	-	11,000	1.6%
11/13/93	5850	8.3	26	10.5	-	-	11,500	1.8%

Mud Additives

KCL----- 100 sx

Detergent----- 20 cans

Bit Record



Monument Butte Federal No. 42-1J

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>JETS</u>	<u>OUT</u>	<u>FEET</u>	<u>HRS.</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>SPM</u>	<u>PRESS</u>	<u>DEV</u>
1	7 7/8"	WM	62CF	Open	3061	2695	43	45	50	Air & Mist		2 1/2°
2	7 7/8"	HTC	ATJ55A	Open	5406	2345	56 1/4	45	55	Air & Mist		2 3/4°
3	7 7/8"	STC	F4-H	13	5850	444	15 1/2	50	55	53	600	2 3/4°

Deviation Record

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
350	3/4°	3350	2 1/4°
850	3/4°	3870	2°
1350	1 1/2°	4350	2 1/2°
1850	1°	4850	1 3/4°
2390	2°	5350	2 3/4°
2850	2 1/2°	5850	2 3/4°

Show Report

Monument Butte Federal 42-1J

No.	Depth From-To	Drill Rate, Min/ft			Total Gas			Chromatograph			
		Before	During	After	Before	Peak	After	C1	C2	C3	C4
B- 1	2800-2815	0.8	0.7	1.0	3	700	400	1600	2	-	-
B- 2	4280-4307	0.75	1.12	0.75	4	4	4	12	4	2	1
D- 3	4308-4315	1.5	0.8	1.2	4	4	4	12	4	2	1
C- 4	4600-4619	1.1	0.8	1.0	7	7	7	14	3	1	-
A- 5	4842-4873	1.2	0.8	0.8	7	10	7	18	3	1	-
B- 6	4947-4964	1.0	1.2	1.5	10	28	13	36	12	10	3
C- 7	5638-5654	2.0	2.5	2.0	4	8	4	16	4	3	2
A- 8	5744-5776	1.5	1.5	3.0	7	98	9	120	78	51	22
D- 9	5822-5842	2.5	1.5	2.5	9	18	3	22	10	6	8

Remarks

- B- 1. SS - brn, vfg, slty, ang, calc, pr por, fnt gldn fluor, brown oil stn, quick strong strmg ct
 B- 2. SS - wh, lt gy, vfg, slty, ang, brn oil stn, no fluor, fst strmg ct
 D- 3. SS - lt-m gy, lt brn, vfg, slty, sb ang-sb rnd, fri, tite, tr oil stn, no fluor, fst strmg ct
 C- 4. SS - lt-m gy, lt brn, vfg, slty, sb ang-sb rnd, fri, tite, tr oil stn, no fluor, fst strmg ct
 A- 5. SS - lt gy, brn, vfg-slty, ang, calc, fri, pr por, yell gold fluor, qk stng strmr ct, brn QS
 B- 6. SS - lt gy, clr, vfg, slty, ang, calc, fri, pr-fr; por, brn, QS, yel gld fluor, fst stng strmg ct
 C- 7. SS - wh, vf-fg, slty, ang, fri, pr-fr por, blk oil stn, yellow fluor, fst stng strmg ct
 A- 8. SS - lt gy, clr, f-m g, ang-sb rnd, calc-cly fld, fri, pr-fr por, light oil stn, brill yell fluor, fd fst strmg ct
 D- 9. SS - wh, vf-fg, sb rnd-sb ang, calc, fri, pr-fr por, brn oil stn, brite yell fluor, slo strmg ct

NOTE: *A,B,C,D DENOTES RELATIVE STRENGTH OF SHOW

Formation Data



Monument Butte Federal 42-1J

Log Tops

<u>ELEVATIONS</u>	<u>5380 GL</u>	<u>5390 K.B.</u>	<u>STRUCTURAL</u>
<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>	<u>RELATIONSHIP</u>
		<u>THICKNESS</u>	<u>HIGH/LOW</u>
<u>TERTIARY</u>			
Uintah Fm.	Surface	5380	1593
Green River Fm.	1603	3787	704
Horseshoe Bench	2307	3083	1637
2nd Garden Gulch	3944	1446	272
Yellow 3 Sandstone	4216	1174	360
Yellow Marker	4576	814	160
Douglas Creek	4736	654	41
Red 1 Sandstone	4777	613	44
Red 2 Sandstone	4821	569	158
2nd Douglas Creek	4979	411	70
Green 1 Sandstone	5049	341	77
Green Marker	5126	264	462
Carbonate Marker	5588	-198	154
Blue 2 Sandstone	5742	-352	94+
TOTAL DEPTH	5836'		

REFERENCE WELL : Diamond Shamrock Corporation
Allen Federal No. 12-6
(East 40 Acre Offset)

Sample

Description



Balcron Oil
Monument Butte Federal No. 42-1J
SENE, Section 1-T9S-R16E
Duchesne County, Utah

Samples caught from Blooie Line while drilling with air and mist. Samples begin at 1300' in Unita Formation. 50 Foot Sample Intervals.

1300 - 1350	Shale - medium gray, blocky; Siltstone - light gray, sandy, calcareous in part, mostly clay-filled.
1350 - 1400	No change.
1400 - 1450	As above; Sandstone - white, very fine to fine grained, angular, clay-filled, tight; Trace of Marl - brown, petroliferous.
1450 - 1500	Sandstone - as above, partly micaceous; Shale - light to medium gray, hard, blocky.
1500 - 1550	As above; Marl - tan, brown, petroliferous.
1550 - 1600	No change.

LOG TOP, GREEN RIVER FORMATION 1603' (+3787')

1600 - 1650	Shale - light to medium gray, slightly calcareous, hard, blocky; Limestone - tan, micritic; Some Sandstone.
1650 - 1700	Marl - medium gray, tan, brown, petroliferous; Trace of Limestone - cream, tan, micritic.
1700 - 1750	Marl - tan, brown, hard, petroliferous.

1750 - 1800 Marl - as above.

1800 - 2000 No change.

2000 - 2300 No change.

LOG TOP, HORSESHOE BENCH 2307' (+3083')

2300 - 2350 As above; Sandstone - light gray, salt & pepper, angular, calcareous, hard, tight; Limestone - buff, tan, brown, hard, micritic; Siltstone - light gray, hard, sandy, calcareous.

2350 - 2400 Marl - tan, brown, blocky, petroliferous.

2400 - 2500 No change.

2500 - 2650 No change.

2650 - 2700 As above; Limestone - buff, tan, brown, micritic, argillaceous, brown oil stain on fractures, gold fluorescence, instant streamer cut.

2700 - 2750 Limestone - as above, fractures with brown oil, dull golden fluorescence, quick strong, streaming cut; Marl - as before.

2750 - 2800 Marl - tan, light gray, brown; Some oil stain - as above.

2800 - 2850 Sandstone - light brown, very fine grained, angular, silty, calcareous, tight to very poor porosity; dull yellow-gold fluorescence, instant strong steaming cut, light brown oil stain; Marl - as above.

2850 - 2900 Marl - brown, dark grayish brown, petroliferous, hard, blocky.

2900 - 2950 Siltstone - medium gray, calcareous, blocky, hard; Marl - tan, brown, petroliferous.

2950 - 3000 Sandstone - tan, light gray, very fine to occasional medium grain, angular to sub-rounded, some frosted grains particularly coarser ones, silty, calcareous, friable, mostly loose grains, no visible porosity, brown oil film (may be uphole contamination), golden fluorescence, streaming cut; Siltstone - as before.

3000 - 3050 As above; Sandstone is very fine to fine grained, angular; Show - as above, (sand seems to be in place, show is probably from zone at 2800 - 2850)

3050 - 3100	No change.
3100 - 3150	Marl - tan, brown, petroliferous; Limestone - buff, tan, grayish brown, hard, micritic to very fine crystalline.
3150 - 3200	As above; Shale - black, blocky to fissile.
3200 - 3250	As above; Siltstone - light gray, calcareous, hard, sandy to shaley.
3250 - 3300	Shale - light gray, calcareous, hard, silty, blocky; Siltstone - as above, very sandy.
3300 - 3350	Marl - tan, brown, petroliferous; Limestone - buff, tan, micritic to very fine crystalline.
3350 - 3400	No change.
3400 - 3450	Shale - light gray, calcareous, hard, fissile to blocky; Marl and Limestone - as above.
3450 - 3500	Shale and Limestone - as above; Some Marl - as above.
3500 - 3550	No change.
3550 - 3600	Marl - tan, petroliferous; Shale - light gray, calcareous, blocky to fissile, hard, gritty to sandy; Siltstone - light gray, tan, hard, sandy, calcareous; Limestone - buff, very fine crystalline.
3600 - 3650	Siltstone - light gray, calcareous, hard, sandy.
3650 - 3700	Shale - light gray, greenish gray, blocky to fissile, hard; Marl - light brown, petroliferous; Limestone - buff, tan, micritic.
3700 - 3750	Sandstone - light gray, very fine grained, silty, angular, calcareous, tight to poor porosity, <u>no show</u> ; Siltstone - light gray, shaley, hard.
3750 - 3800	Siltstone - light gray, sandy, calcareous; Shale - light gray, calcareous, gritty, blocky; Limestone - tan, brown, micritic.
3800 - 3850	Marl - brown, blocky, petroliferous; Limestone - buff, tan, micritic.
3850 - 3900	Limestone - as above; Shale - light gray, hard, calcareous,

blocky to fissile; Siltstone - light gray, hard, calcareous, sandy.

3900 - 3950 Sandstone - light gray, very fine grained, very silty, angular, calcareous, tight, no show; grades to Siltstone.

LOG TOP, SECOND GARDEN GULCH 3944' (+1446')

3950 - 4000 Limestone - buff, tan, brown, slightly ostracodal, fragmental to micritic; Sandstone - as above.

Begin 20 Foot Samples

4000 - 4020 Limestone - as above; Shale - pale green, fine textured, fissile to blocky, hard.

4020 - 4040 Shale - pale gray, pale greenish gray, fine textured, firm, blocky to fissile; Limestone - as before; Siltstone - light gray, hard, very sandy, calcareous.

4040 - 4060 Sandstone - light gray, very fine grained, silty, mostly loose grains, angular, calcareous, very poor porosity, many black residual oil specks, some faint brown oil stain, very slight golden fluorescence, light streaming cut; Shale - as above; Some Limestone - as above.

4060 - 4080 Sandstone - as above with show - as above; Shale - medium gray, blocky, calcareous, hard; Some Limestone - as before, ostracods.

4080 - 4100 No change.

4100 - 4120 Limestone - as above; Some Shale and Sandstone - as above.

4120 - 4140 Siltstone - light gray, hard, sandy, calcareous; Some Limestone - as above.

4140 - 4160 As above; Shale - light gray, calcareous, hard, blocky, gritty,

4160 - 4180 Siltstone and Shale - as above.

4180 - 4200 As above; Limestone - tan, brown, ostracodal, micritic.

LOG TOP, YELLOW 3 SANDSTONE 4216' (+1174')

4200 - 4220 Sandstone - clear, light gray, very fine grained, silty, angular, calcareous, tight, no show; Marl - tan, brown, petroliferous.

4220 - 4240	As above; Shale - light gray, calcareous, hard, blocky.
4240 - 4260	As above; Siltstone - light gray, sandy, hard, calcareous.
4260 - 4280	Marl and Shale - as above; Some Sandstone and Shale - as above.
4280 - 4300	No change.
4300 - 4320	Shale and Marl - as above; Sandstone - light brown, very fine grained, silty, angular, calcareous, scattered poor porosity, dull golden fluorescence, light brown oil saturation, slow strong streamer cut.
4320 - 4340	Shale - light gray, hard, blocky, calcareous; Siltstone - light gray, sandy, hard, calcareous; <u>Some Sandstone with show - as above;</u> Marl - tan, brown, petroliferous.
4340 - 4360	No change.
4360 - 4380	No change.
4380 - 4400	Shale, Marl and Siltstone - as above; Sandstone - light gray, clear, very fine grained, angular, calcareous, poor porosity, <u>few fragments have brown oil stain, light golden yellow fluorescence, strong, slow streaming cut.</u>
4400 - 4420	Limestone - tan, brown, ostracodal, micritic, argillaceous, traces of pin point vuggy porosity, <u>scattered brown oil stain, dull golden fluorescence, slow strong streaming cut;</u> Some Sandstone, Siltstone and Shale - as above.
4420 - 4440	Siltstone - light gray, sandy, shaley; Shale - light gray, gritty to silty, blocky; Trace of Limestone - <u>as above;</u> Ostracods.
4440 - 4460	No change.
4460 - 4480	Shale and Siltstone - as above; Abundant Ostracods; Trace of Sandstone - brown, very fine grained, silty, angular, poor porosity, <u>brown oil stain, no fluorescence, quick, strong streamer cut.</u>
4480 - 4500	As above; Limestone - tan, chalky.
4500 - 4520	Shale - dark brown, black, blocky to fissile, very petroliferous;

Shale - light gray, blocky, gritty to silty; Limestone - as above.

4520 - 4540 Siltstone - white, light gray, sandy; Limestone - tan, brown, micritic, ostracodal; Shale - light gray, gritty, hard, blocky, calcareous.

4540 - 4560 No change.

4560 - 4580 Shale and Siltstone - as above.

LOG TOP, YELLOW MARKER 4576' (+814')

4580 - 4600 Sandstone - white, light gray, very fine grained, silty, angular, calcareous, friable, tight, no visible show; Shale - as above; Limestone - tan, chalky, petroliferous.

4600 - 4620 Shale - as above; Sandstone - as above; scattered poor porosity, local brown oil stain, golden fluorescence, strong slow streaming cut.

4620 - 4640 Siltstone - light gray, sandy, calcareous, hard; Some Shale - as above.

4640 - 4660 Shale and Siltstone - as above; Some Limestone - tan, chalky, (Brown oil globs contaminating from above)

4660 - 4680 As above; Sandstone - light gray, very fine grained, silty, angular, friable, poor porosity, faint oil stain (masked by contamination), faint golden fluorescence, slow milky cut.

4680 - 4700 As above; Marl - tan, brown, petroliferous.

4700 - 4720 Sandstone - light gray, clear, tan, very fine to fine grained, silty, angular, friable, apparent poor porosity, scattered brown oil stain, spotty yellow gold fluorescence, slight quick streamer cut; Shale - light gray, fissile to blocky, hard, calcareous, partly gritty; Limestone - tan, chalky.

LOG TOP, DOUGLAS CREEK 4736' (+654')

4720 - 4740 Siltstone - light gray, sandy, locally shaley, slightly calcareous, hard.

LOG TOP, RED 1 SANDSTONE 4477' (+613')

4740 - 4800 No change.

4800 - 4820 Marl - tan, dark brown, blocky, petroliferous; Siltstone - as before.

4820 - 4840 No change. (Oil Contamination from above?)

LOG TOP, RED 2 SANDSTONE 4821' (+569')

4840 - 4860 Sandstone - light gray, brown, very fine to silt-sized, angular, calcareous, friable, poor porosity, yellow gold fluorescence, quick strong streaming cut, dark brown oil saturation. (Still a film of oil covering sample)
Shale - light gray, hard, blocky, calcareous, gritty;
Siltstone - light gray, sandy.

4860 - 4880 Shale and Siltstone - as above; Some Sandstone with show - as above. (Oil film over samples)

4880 - 4900 Increase in Sandstone.

4900 - 4920 Siltstone - as above; Some Sandstone - as above.

4920 - 4940 Shale - light gray, blocky to fissile, gritty to silty, hard, calcareous; Siltstone - as above. Some Sandstone - as above with show - as above.

4940 - 4960 Shale - as above; Sandstone - light gray, very fine grained, silty, angular, calcareous, hard, tight.

LOG TOP, SECOND DOUGLAS CREEK 4979' (+411')

4960 - 4980 Siltstone - light gray, sandy, shaley, calcareous, hard; Shale - as above; Sandstone - light gray, clear, very fine grained, silty, angular, calcareous, friable, poor to fair porosity, brown oil saturation, yellow gold fluorescence, quick strong streamer cut.

4980 - 5000 Sandstone - as above - with show as above; Some Siltstone and Shale - as before.

5000 - 5020 Shale - dark brown, blocky, gritty, petroliferous; Limestone - tan, brown, micritic.

5020 - 5040 Limestone and Shale - as above; Shale - light gray, calcareous, hard, blocky, gritty; Some Sandstone - white, light gray, very fine grained, very silty, calcareous, angular, hard, tight, no show.

LOG TOP, GREEN 1 SANDSTONE 5049' (+341')

- 5040 - 5060 Sandstone - as above with black specks of residual oil; Shale - light gray - as above.
- 5060 - 5080 Shale - as above; Siltstone - light gray, sandy, calcareous, hard.
- 5080 - 5100 As above; Shale - brown, blocky, gritty, very petroliferous. (Sample has scum of brown, gummy oil)
- 5100 - 5120 Shale - light gray, hard, blocky to fissile, calcareous; Sandstone - brown, clear, very fine grained, silty, angular, friable, calcareous, poor to fair porosity, brown oil saturation, patchy yellow gold fluorescence, instant strong streamer cut.

LOG TOP, GREEN MARKER 5126' (+264')

- 5120 - 5140 Shale - as above; Shale - medium to dark brown, blocky, gritty, petroliferous.
- 5140 - 5160 No change.
- 5160 - 5180 As above; Limestone - tan, brown, micritic.
- 5180 - 5200 Sandstone - white, light gray, very fine grained, silty, angular, calcareous, hard, tight, no show; Shale - as above.
- 5200 - 5220 Siltstone - light gray, sandy, shaley, hard, calcareous; Sandstone - as above; Some Marl - tan, brown, petroliferous.
- 5220 - 5240 Marl - tan, brown, light gray, gritty to silty, hard, petroliferous; Siltstone - as above; Dark brown oil globs on samples.
- 5240 - 5260 No change.
- 5260 - 5280 As above; Shale - light to medium gray, fissile to blocky, hard, calcareous.
- 5280 - 5300 As above; Some Quartz grains - clear to frosted, medium, angular to rounded.
- 5300 - 5320 As above; Some Sandstone - clear, tan, very fine to medium grained, angular, friable, poor to fair porosity, brown oil stain, bright yellow gold fluorescence, quick strong streaming cut.
- 5320 - 5340 (Very little Sample) No change.

- 5340 - 5360 Shale - light gray, fissile to blocky, hard, calcareous, gritty in part; Sandstone - as above with show - as above. (Brown Oil Globbs on Samples)
- 5360 - 5380 Shale - light gray, calcareous, sandy, blocky, hard; Sandstone - white, very fine grained, silty, angular, calcareous, locally shaley, hard, tight; Some Sandstone - as above with show - as above.
- 5380 - 5400 Shale - light to medium gray, fissile to blocky, calcareous, partly gritty to silty; Shale - dark brown, fissile, petroliferous.

Switch from Air and Mist to Fresh Water Drilling Fluid

- 5400 - 5420 Shale - as above; Siltstone - light gray, calcareous, hard.
- 5420 - 5440 Shale - light to medium gray, blocky to fissile, hard, calcareous, partly gritty, locally pyritic; Siltstone - as above; Limestone - buff, tan, brown, micritic.
- 5440 - 5460 Shale - medium to dark gray, gritty, blocky to fissile, carbonaceous, calcareous, petroliferous; Some Limestone - as above.
- 5460 - 5480 No change.
- 5480 - 5500 Shale - dark brown, dark gray, black, blocky to fissile, gritty, carbonaceous, calcareous, petroliferous, hard; Trace of Limestone - as above.
- 5500 - 5520 No change.
- 5520 - 5540 Shale - medium to dark brown, dark gray, blocky to lumpy, gritty, carbonaceous, calcareous, petroliferous; Some Limestone - as above; Clay - light gray.
- 5540 - 5560 Shale - as above; Trace of Limestone - as above.
- 5560 - 5580 No change.

LOG TOP, CARBONATE MARKER 5588' (-198')

- 5580 - 5600 Shale - dark gray, dark brown, black, fissile to blocky, hard, gritty, calcareous, carbonaceous, petroliferous.
- 5600 - 5620 Some Shale - as above; Claystone - light gray, flakey,

calcareous; Shale - light gray, blocky, calcareous; Limestone - tan, brown, fragmental, argillaceous; Trace of Sandstone - white, tan, very fine grained, silty, angular, calcareous, tight, tan portion had brown oil stain, very poor porosity, faint yellow fluorescence, slow strong streamer cut.

- 5620 - 5640 Shale and Claystone - as above; Limestone - buff, tan, brown, micritic; Sandstone - white, brown, very fine grained, silty, calcareous to clay-filled, angular, tight, brown portion has brown oil stain, yellow gold fluorescence, quick strong streaming cut.
- 5640 - 5660 Sandstone - as above, silt-sized to medium grained, angular, calcareous, friable, brown portion is 20%, has spotty to continuous brown oil stain and yellow-gold fluorescence, quick strong streaming cut; Some Limestone - as above.
- 5660 - 5680 Sandstone - as above, decreasing amount has show - as above.
- 5680 - 5700 Siltstone - light gray, sandy, calcareous, hard; Trace of Sandstone - as above - with show; Shale - light gray, blocky to fissile, limey, partly gritty.
- 5700 - 5720 Shale and Siltstone - as above; Some Sandstone - tan, very fine to silty, angular, calcareous, friable, poor porosity, abundant black to dark brown oil stain in specks and splotches, faint golden fluorescence, slow strong streamer cut.
- 5720 - 5740 Marl - brown, dark brown, gritty, petroliferous; Limestone - tan, brown, micritic.

LOG TOP, BLUE 2 SANDSTONE 5742' (-352')

- 5740 - 5760 Sandstone - white, very fine to fine grained, angular, calcareous, friable, poor to fair porosity, strong brilliant yellow fluorescence, faint brown oil stain, no cut in wet sample, slow strong streaming cut from dried sample.
- 5760 - 5780 Sandstone - as above, very fine to silt-sized, some fine grained, mostly tight, some has porosity and show - as above.
- 5780 - 5800 Siltstone - light gray, calcareous, hard, partly sandy, locally pyritic; Shale - light gray, calcareous, hard, gritty, blocky; Sandstone - as above; Shale - dark gray, limey, blocky, hard, petroliferous.
- 5800 - 5820 Shale - light gray, calcareous, blocky to fissile, hard, gritty to

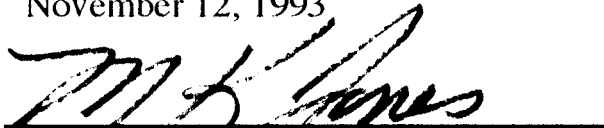
silty; Siltstone - as above; Limestone - tan, brown, micritic, argillaceous; Some Sandstone - white, light gray, very fine to fine grained, angular, calcareous, friable, poor porosity, brilliant yellow fluorescence, scattered brown oil stain, slow strong streamer cut.

5820 - 5840 Limestone - tan, dark brown, shaley, micritic, hard; Sandstone - as above, Trace has show - as above.

5840 - 5850 Shale - light gray, blocky, limey, hard; Shale - light gray, gritty to silty, calcareous, hard, blocky to fissile.

Driller's Total Depth 5850'
Logger's Total Depth 5836'

November 12, 1993

A handwritten signature in black ink, appearing to read 'M.K. Jones', written over a horizontal line.

M.K. Jones
Petroleum Geologist

Discovery Energy Inc.



1440 GRAND AVENUE, 59102 (406) 256-2395
P.O. BOX 21194
BILLINGS, MONTANA 59104

BALCRON MONUMENT FEDERAL #42-1J Continued...

11-7-93 TD: 785' (419') Day 1
 Formation: Uintah
 MW 8.3 VIS 26
 Present Operation: Drilling
 MIRU, NU BOP. Test BOP & manifold to 2000# - OK. Test csg to 1500# - OK. PU drill collars & drill cmt shoe. Drill & survey.
 DC: \$6,536 CC: \$36,954

11-8-93 TD: 2,047' (1,262') Day 2
 Formation: Green River
 MW 8.4 VIS 26
 Present Operation: Drilling
 Drill, survey, repair hydromatic & replace swivel packing & drill, & survey.
 DC: \$16,655 CC: \$53,609

BALCRON MONUMENT FEDERAL #23-15 Operator: Balcron/EREC
 BOD WI: 79.78%
 Location: NE SW Section 15, T9S, R16E
 Duchesne County, Utah
 ---TIGHT HOLE--- Prospect: Monument Butte

11-5-93 Completion
 TP - 1050 psi, CP - 0. RU Nowcam coil tbg unit to circ sand out of tbg. Tag solid sand @ 4820', circ out to 5625' (PBTD). RD Nowcam. Made 8 swab runs, recovered 48 BW, trace of oil. Lab run fluid level @ 1800' SWIFD.
 DC: \$9,042

Balcron Oil DAILY OPERATING REPORT

DATE: 11/8/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #12-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-6-93 TD: 5,800' (0') Day 7

Formation: Green River

Present Operation: RDMO

Finish TOH, RU Halliburton logging & log well. TIH & LD drill pipe & collars. RU casers & run 5-1/2" csg. Circ, cmt by Halliburton. Set slips, ND BOP, & clean mud tanks. Csg as follows:

Guide Shoe .60'

1 jt 5-1/2" shoe jt 43.19'

Float collar 1.10'

132 jts 5-1/2" 15.5#, K-55 5723.70'

Land jt 9.00'

Csg set @ 5777.59'

PSTD - 5732', 20 centralizers.

Cmt by Halliburton w/220 sxs Hyfill & tail w/290 sxs 50-50 POZ. Plug down @ 1:30 a.m. 11-6-93. Rig released @ 5:30 a.m. 11-6-93.

DC: \$64,054

CC: \$170,039

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,850' Green River Oil - Dev.

---TIGHT HOLE---

10-11/18-93 Building location.

10-19-93 MIRU Leon Ross & start surface hole.

10-20-93 Leon Ross broke down.

10-21-93 Finish surface hole.

DC: \$18,796

CC: \$18,796

10-22-93 Ran surface csg & cmt by Dowell as follows:

Guide shoe .65'

1 jt 8-5/8" 24# shoe jt 44.65'

Baffel plate -----

7 jts 8-5/8" 24#, J-55 csg 314.10'

Rubber top plug 359.40'

Csg set @ 356' GL

Union Drilling KB (10') 366' KB, 3 centralizers.

Cmt w/180 sxs "G" w/2% CCl & 1/4#/sx celoflake. 5 bbls cmt back to pit. Plug down @ 1 p.m. on 10-22-93.

DC: \$11,622

CC: \$30,418

Page 1 of 1

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/9/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,850' Green River Oil - Dev.

---TIGHT HOLE---

11-9-93 TD: 3,061' (1,014') Day 3

Formation: Green River

MW 8.3 VIS 26

Present Operation: Run magnet.

Drill, survey, blow hole out, bit locking up. TIH w/magnet for
bearings & part of 1 cone.

DC: \$14,016

CC: \$67,625

BALCRON MONUMENT FEDERAL #23-1S

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 15, T9S, R16E
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

11-8-93 Completion

CP - 0, TP - 5 psi. Made 20 swab runs, recovered 120 BF, 115 wtr,
5 oil. Last 3 runs, 3% oil, fluid level stable @ 3300'. Release
packer, tag sand @ 5430', circ down to 5625' (PBD). TOOH w/tbg,
SN, & packer. SWIFN.

DC: \$1,393

BALCRON MONUMENT FEDERAL #24-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

11-8-93 Well spud @ 11 a.m. on 11-8-93 by Leon Ross Air Drilling.

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/10/93

****JONAH UNIT PARTNERS' DAILY REPORT****

BALCRON MONUMENT FEDERAL #41-15J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 15, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-9-93 Completion

Start pumping 4 SPM 87" stroke. On line @ 3:30 p.m. 11-9-93.

DC: \$7,309

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-10-93 TD: 3,865' (804') Day 4

MW 8.4 VIS 26

Present Operation: Drilling

Blow hole, TOH w/magnet, get fish, trip in w/bit & drill & survey.

DC: \$11,541

CC: \$79,155

BALCRON MONUMENT FEDERAL #23-15

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 15, T9S, R16E
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

11-9-93 Completion

RU Cutter Wireline to perf 4645'-4808'. RD Cutter Wireline.
SWIFN.

DC: \$4,437

Page 1 of 4

Balcron Oil

DAILY OPERATING REPORT

DATE: 11/12/93

****JONAH UNIT PARTNERS' DAILY REPORT****BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-11-93 TD: 4,863' (998') Day 5

Formation: Red Zone

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, work in winterizing. Unload 1 load of 5-1/2" on pipe racks.

DC: \$14,027

CC: \$93,193

11-12-93 TD: 5,450' (587') Day 6

Formation: Green Zone

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, work on winterizing. Bit give up 5406', load hole w/fluid & circ hole. TOH, TIH wash to btm & drill ahead.

DC: \$8,756

CC: \$101,949

BALCRON MONUMENT FEDERAL #23-15

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 15, T9S, R16E
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

11-10-93 Completion

TIH w/5-1/2" RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 156 jts 2-7/8" tbg. Set BP @ 4825' KB, set packer @ 4730' KB, EOT @ 4764' KB. RU Dowell to do KCL break down refer to treatment report. Start break down. Reset BP @ 4707' KB, set packer @ 4603' KB, EOT @ 4640' KB. RU Dowell to do KCL break down refer to treatment report. RD Dowell. Reset BP @ 4825' KB, TOOH w/tbg, packer & retrieving head. SWIFN. Load to recover 537 BW.

DC: \$2,931

11-11-93 Completion

RU Dowell to frac perfs 4645'-4808'. Start frac refer to treatment report. SWIFN.

DC: \$24,042

423-45

11-13-93 Completion

TIH w/one 2-1/2" x 1-1/2" x 16' BHP RWAC w/PA plunger (pump #1014)

208 - 3/4" x 25' plain rods

one 3/4" x 6' pony

one 3/4" x 8' pony

one 1-1/4" x 22' polish rod SM

RDMO.

DC: \$12,004

Balcron Oil
DAILY OPERATING REPORT

Page 1 of 3

DATE: 11/13/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #12-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-13-93 Completion
MIRU. RU tanks & pump.
DC: \$755

BALCRON MONUMENT FEDERAL #21-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,800' Green River Oil - Dev.

---TIGHT HOLE---

10-10/21-93 Work on & finish location.

10-25-93 MIRU Leon Ross Air Drilling & spud @ 9:45 a.m. Drill 270' hole.

10-26-93 Run 6 jts 8-5/8" csg & cmt as follows:

Guide Shoe .65'

1 jt 8-5/8" shoe jt 44.90'

Insert Float -----

5 jts 8-5/8" J-55 24# 224.86'

Set @ 268' GL.

Cmt w/150 sxs Class "G" w/2% CCK & 1/4#/sx celoflake. 5 bbls cmt
back to pit. Plug down @ 1 p.m. 10-26-93.

DC: \$10,575

CC: \$30,618

11-15-93 Present Operation: NU

RD, MI mud, RU. Did not break tower. Had to get blade to fix road
& help winch trucks.

DC: \$1,200

CC: \$31,818

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

ENTITY ACTION FORM - FORM 6

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	11519	11492	43-013-31303	<i>Conf.</i> MONUMENT FED 23-5	NESW	5	9S	17E	DUCHESNE	9-2-93	9-2-93
WELL 1 COMMENTS: *JONAH UNIT											
C	11527	11492	43-013-31367	<i>Conf.</i> MONUMENT FED 41-15	NENE	15	9S	16E	DUCHESNE	9-22-93	9-22-93
WELL 2 COMMENTS: *JONAH UNIT											
C	11572	11492	43-013-31404	<i>Conf.</i> MONUMENT FED 42-1J	SENE	1	9S	16E	DUCHESNE	10-19-93	10-19-93
WELL 3 COMMENTS: *JONAH UNIT											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

de
L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

11-18-93

Title

Date

Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #42-1J

9. API Well No.

43-013-31404

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, UTAH

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21-17, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 1, T9S, R16E

2087.2' FNL, 692.4' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Change in rig

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator will be using a completion rig to complete this well.

NOV 17 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Achuman

Title

Coordinator of Environmental and
Regulatory Affairs

Date

11-15-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

NOV 17 1993

DIVISION OF
OIL, GAS & MINING

November 15, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

CONFIDENTIAL

Gentlemen:

RE: Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah

Enclosed is our sundry reporting a change in rig for the subject well.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad

Molly M. Conrad
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining

KTECH

**WELL SITE GEOLOGY
WELL LOGGING
CONSULTING**

CONFIDENTIAL
Final Report

BALCRON OIL
BALCRON MONUMENT FEDERAL #42-1 (J)
(SE/NE) SECTION 1, T9S, R16E
DUCHESNE COUNTY, UTAH
43-013-31404

KTECH

GEOLOGY, MUD LOGGING CONSULTING

NOV 17 1993

November 13, 1993

Steve VanDelinder
Balcron Oil
P.O. Box 21017
Billings, MT 59104

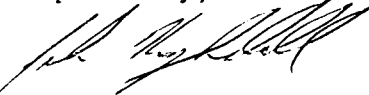
Mr. VanDelinder:

Enclosed is the final log for your Balcron Monument Federal #42-1J well, located in Section 1, T9S, R16E of Duchesne County, Utah.

I appreciated the opportunity to serve you. If I can be of any further assistance in the final evaluation of the Green River sands encountered, please feel free to call me.

It would be a pleasure to work with you in the future.

Respectfully,



John Kuykendall

DEVIATION SURVEYS

ELEVATION 5380' GL(ung) - 5390' KB

SECTION 1, T9S, R16E

LOCATION DUCHESNE COUNTY, UTAH

TD DATE 11/12/93

[illegible]

BIT RECORD

WELL NAME BALCRON MONUMENT FEDERAL #42-1J

ELEVATION 5380' GL (ung) - 5390'

COMPANY BALCRON OIL

SECTION 1, T9S, R16E

CONTRACTOR UNION DRILLING INC. #17

LOCATION DUCHESNE COUNTY, UTAH

SPUD DATE 11/6/93

TD DATE 11/12/93

[illegible]

KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #42-1J

LOCATION 2087' ENL. 692' FEL. (SE/NE). SECTION 1. T9S. R16E. DUCHESNE Co. UTAH.

ZONE OF INTEREST 1 **FORMATION** GREEN RIVER

INTERVAL: FROM _____ **2800'** **TO** _____ **2815'**

DRILL RATE: ABV .8 MIN/FT **THRU** .7 MIN/FT **BELOW** 1 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	3	3					
DURING	700	1600	2				
AFTER	400	800	1				

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☒ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐

FLUO: MINERAL ☐ NONE ☐ POOR ☐ FAIR ☐ GOOD ☒ EVEN ☐ SPOTTY ☒

FLUO COLOR: YEL % IN SHOW LITHOLOGY 20%

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ **STREAMING:** SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: YEL

STAIN: NONE ☐ POOR ☐ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☐ DK ☒

POROSITY: POOR ☐ FAIR ☒ GOOD ☐ KIND INTERGRANULAR

LITHOLOGY SS gtz.wh.bd.sl fri.yf-fgr.ang-sbrnd.p.sctd.com slty

SAMPLE QUALITY GOOD

REMARKS OIL STN, YEL FLO, GOOD FAST BLEEDING CUT. THIN SAND W/ FAIR POROSITY

NOTIFIED M.K. JONES @ 07:15 HRS. DATE 11/9/93

ZONE DESCRIBED BY ZEKE CARTER

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #42-1JLOCATION 2087' ENL., 692' FEL., (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 2 FORMATION GREEN RIVERINTERVAL: FROM 4280' TO 4304'DRILL RATE: ABV .75 MIN/FT THRU 1 1/8 MIN/FT BELOW .75 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	4	12	4	2	1		
DURING	4	12	4	2	1		
AFTER	4	12	4	2	1		

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☐GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐FLUO: MINERAL ☐ NONE ☒ POOR ☐ FAIR ☐ GOOD ☐ EVEN ☐ SPOTTY ☐

FLUO COLOR: _____ % IN SHOW LITHOLOGY _____

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☒ GOOD ☐ STREAMING: SLOW ☐ MOD ☐ FAST ☒CUT COLOR: YELSTAIN: NONE ☐ POOR ☐ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☒ SPOTTY ☐ LT ☒ DK ☐POROSITY: POOR ☒ FAIR ☐ GOOD ☐ KIND INTEGRANULARLITHOLOGY SS qtz,wh,ltgy,frm,vfgr,ang-sbang,p srted,vsltySAMPLE QUALITY GOODREMARKS OIL STN,NO FLO, OCC FAST STRM CUT,POOR POR. NO GAS INCREASE,INCREASE IN NEXT CONNECTIONGAS.NOTIFIED M.K. JONES @ 07:00 HRS. DATE 11/11/93ZONE DESCRIBED BY ZEKE CARTER

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #42-1JLOCATION 2087' FNL, 692' FEL, (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 3 FORMATION GREEN RIVERINTERVAL: FROM 4625' TO 4639'DRILL RATE: ABV .6 MIN/FT THRU 1.1 MIN/FT BELOW .8 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	7	14	3	1			
DURING	7	14	3	1			
AFTER	7	14	3	1			

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☐GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐FLUO: MINERAL ☐ NONE ☒ POOR ☐ FAIR ☐ GOOD ☐ EVEN ☐ SPOTTY ☐

FLUO COLOR: _____ % IN SHOW LITHOLOGY _____

CUT: NONE ☐ CRUSH ☐ POOR ☒ FAIR ☐ GOOD ☐ STREAMING: SLOW ☐ MOD ☐ FAST ☒CUT COLOR: YELSTAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☒ DK ☐POROSITY: POOR ☐ FAIR ☒ GOOD ☐ KIND INTERGRANULAR, POOR - FAIRLITHOLOGY SS lt-mgy,ltbrn,qlsy,vfgr-slt, sbang-sbrnd,calc,fri,ttSAMPLE QUALITY GOODREMARKS TR OIL STN, NO FLO, POOR FAST STRM CUT IPNOTIFIED M.K. JONES @ 07:00 HRS. DATE 11/11/93ZONE DESCRIBED BY JOHN KUYKENDALL

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #42-1JLOCATION 2087' FNL, 692' FEL, (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 4 FORMATION GREEN RIVERINTERVAL: FROM 4847' TO 4873'DRILL RATE: ABV .8 MIN/FT THRU 1.4 MIN/FT BELOW .6 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	7	14	3	1			
DURING	10	18	3	1			
AFTER	7	14	3	1			

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐FLUO: MINERAL ☐ NONE ☒ POOR ☐ FAIR ☐ GOOD ☐ EVEN ☐ SPOTTY ☐

FLUO COLOR: _____ % IN SHOW LITHOLOGY _____

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☒ GOOD ☐ STREAMING: SLOW ☐ MOD ☐ FAST ☒CUT COLOR: YELSTAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☐ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☒ DK ☐POROSITY: POOR ☐ FAIR ☒ GOOD ☐ KIND INTERGRANULAR, FAIR-GOODLITHOLOGY SS ltgy,clr,vfgr-silty,sbang-rnd,calc,fri,sl ttSAMPLE QUALITY GOODREMARKS TR OIL STN, NO FLO, FAIR FAST STRM CUTNOTIFIED M.K. JONES @ 07:00 HRS. DATE 11/11/93ZONE DESCRIBED BY JOHN KUYKENDALL



KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #42-1J

LOCATION 2087' FNL, 692' FEL, (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH,

ZONE OF INTEREST 5 FORMATION GREEN RIVER

INTERVAL: FROM 4947' TO 4964'

DRILL RATE: ABV 1.0 MIN/FT THRU 1.2 MIN/FT BELOW 1.1 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	10	14	3	1			
DURING	28	36	12	10	3		
AFTER	13	18	5	3	1		

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☒ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐

FLUO: MINERAL ☐ NONE ☐ POOR ☐ FAIR ☐ GOOD ☒ EVEN ☐ SPOTTY ☐

FLUO COLOR: YEL % IN SHOW LITHOLOGY 20%

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ STREAMING: SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: YEL

STAIN: NONE ☐ POOR ☐ FAIR ☒ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☒ SPOTTY ☐ LT ☐ DK ☒

POROSITY: POOR ☐ FAIR ☒ GOOD ☐ KIND INTERGRANULAR, FAIR-GOOD

LITHOLOGY SS ltgy,clr,lt-mbrn stn ip,vf-for,spang-rnd,calc,fri-frn,tt

SAMPLE QUALITY GOOD

REMARKS SAMPLE FROM 4980' TO 5000' - PROBABLY FROM GAS ZONE DESCRIBED ABOVE, 20% YEL FLO, FAST

STRM CUT

NOTIFIED M.K. JONES @ 17:00 HRS. DATE 11/11/93

ZONE DESCRIBED BY JOHN KUYKENDALL

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #42-1JLOCATION 2087' FNL, 692' FEL, (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 6 FORMATION GREEN RIVERINTERVAL: FROM 5638' TO 5654'DRILL RATE: ABV 2 MIN/FT THRU 2.5 MIN/FT BELOW 2 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	4	8	2	2	1		
DURING	8	16	4	3	2		
AFTER	4	8	2	2	1		

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☐GAS VARIATION WITHIN ZONE: STEADY ☐ ERRATIC ☐ INCREASING ☒ DECREASING ☐FLUO: MINERAL ☐ NONE ☐ POOR ☐ FAIR ☒ GOOD ☐ EVEN ☐ SPOTTY ☒FLUO COLOR: YEL % IN SHOW LITHOLOGY 5%CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ STREAMING: SLOW ☐ MOD ☐ FAST ☒CUT COLOR: GN YELSTAIN: NONE ☐ POOR ☐ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☐ DK ☐POROSITY: POOR ☐ FAIR ☒ GOOD ☐ KIND INTERGRANULARLITHOLOGY SS wh,com blk oil stn,frm,mfri,vf-fgr,sbrnd,msrtd,40% blk oil stn,occ yel flo,good faststrm cut SAMPLE QUALITY GOODREMARKS SLIGHT GAS INCREASE, FAIR POROSITY, FAIR FLO, GOOD STN, GOOD CUT, GOOD BED THICKNESSNOTIFIED M.K. JONES @ 22:00 HRS. DATE 11/12/93ZONE DESCRIBED BY ZEKE CARTER

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #42-1JLOCATION 2087' FNL, 692' FEL, (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 7 FORMATION GREEN RIVERINTERVAL: FROM 5744' TO 5776'DRILL RATE: ABV 1.5 MIN/FT THRU 1.5-2.5 MIN/FT BELOW 3 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	7	15	7	5	6		
DURING	98	120	78	51	22		
AFTER	9	15	7	5	6		

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☒ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒GAS VARIATION WITHIN ZONE: STEADY ☐ ERRATIC ☐ INCREASING ☒ DECREASING ☐FLUO: MINERAL ☐ NONE ☐ POOR ☐ FAIR ☐ GOOD ☒ EVEN ☒ SPOTTY ☐FLUO COLOR: GN YEL % IN SHOW LITHOLOGY 100%CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ STREAMING: SLOW ☐ MOD ☒ FAST ☐CUT COLOR: GN YELSTAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☒ DK ☐POROSITY: POOR ☐ FAIR ☒ GOOD ☒ KIND INTERSTITIALLITHOLOGY SS qtz,clr,ltgy,sft,vfri,f-mgr,sbrnd-sbang,msrtd,com wh clySAMPLE QUALITY GOODREMARKS 100% BRITE GNYEL FLO, SL OIL STN, GOOD MOD-FAST STRM CUT WHEN DRY, NO CUT WHEN WET,GOODPOROSITY, GOOD GAS INCREASE, GOOD POROSITY, THICK SANDNOTIFIED M.K. JONES @ 22:00 HRS. DATE 11/12/93ZONE DESCRIBED BY ZEKE CARTER

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #42-1JLOCATION 2087' FNL, 692' FEL, (SE/NE), SECTION 1, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 8 FORMATION GREEN RIVERINTERVAL: FROM 5822' TO 5842'DRILL RATE: ABV 2.5 MIN/FT THRU 1.5 - 2.0 MIN/FT BELOW 2.5 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	9	15	7	5	6		
DURING	18	22	10	6	8		
AFTER	3	10	4	2	3		

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒GAS VARIATION WITHIN ZONE: STEADY ☐ ERRATIC ☒ INCREASING ☒ DECREASING ☒FLUO: MINERAL ☐ NONE ☐ POOR ☐ FAIR ☒ GOOD ☐ EVEN ☐ SPOTTY ☐FLUO COLOR: SS BRITE YEL, LS DULL BRN % IN SHOW LITHOLOGY 3%CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☒ GOOD ☐ STREAMING: SLOW ☒ MOD ☐ FAST ☐CUT COLOR: GN YELSTAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☒ DK ☐POROSITY: POOR ☒ FAIR ☒ GOOD ☐ KIND SS POOR INTERSTITIAL, LS NO VISLITHOLOGY SS qtz,wh,sft,vfri,f-vfgr,sbrnd-sbang,ang,m-psrtd,vsilty,com wh cly,poor-fair porosityLS ltcrbrn,sft-frn,micgran-micxln,sl-marg,no oil stn,no vis por SAMPLE QUALITY GOODREMARKS SS SL BRN OIL STN,COM BRITE GN YEL FLO, NO CUT. LS OCC DULL BRN FLO, FAIR SLOW STRM CUT. THIN ZONEWITH SS & LS. SS HAS POOR - FAIR POROSITY, LS HAS NO VIS POROSITY.NOTIFIED M.K. JONES @ 22:00 HRS. DATE 11/12/93ZONE DESCRIBED BY ZEKE CARTER

RECEIVED

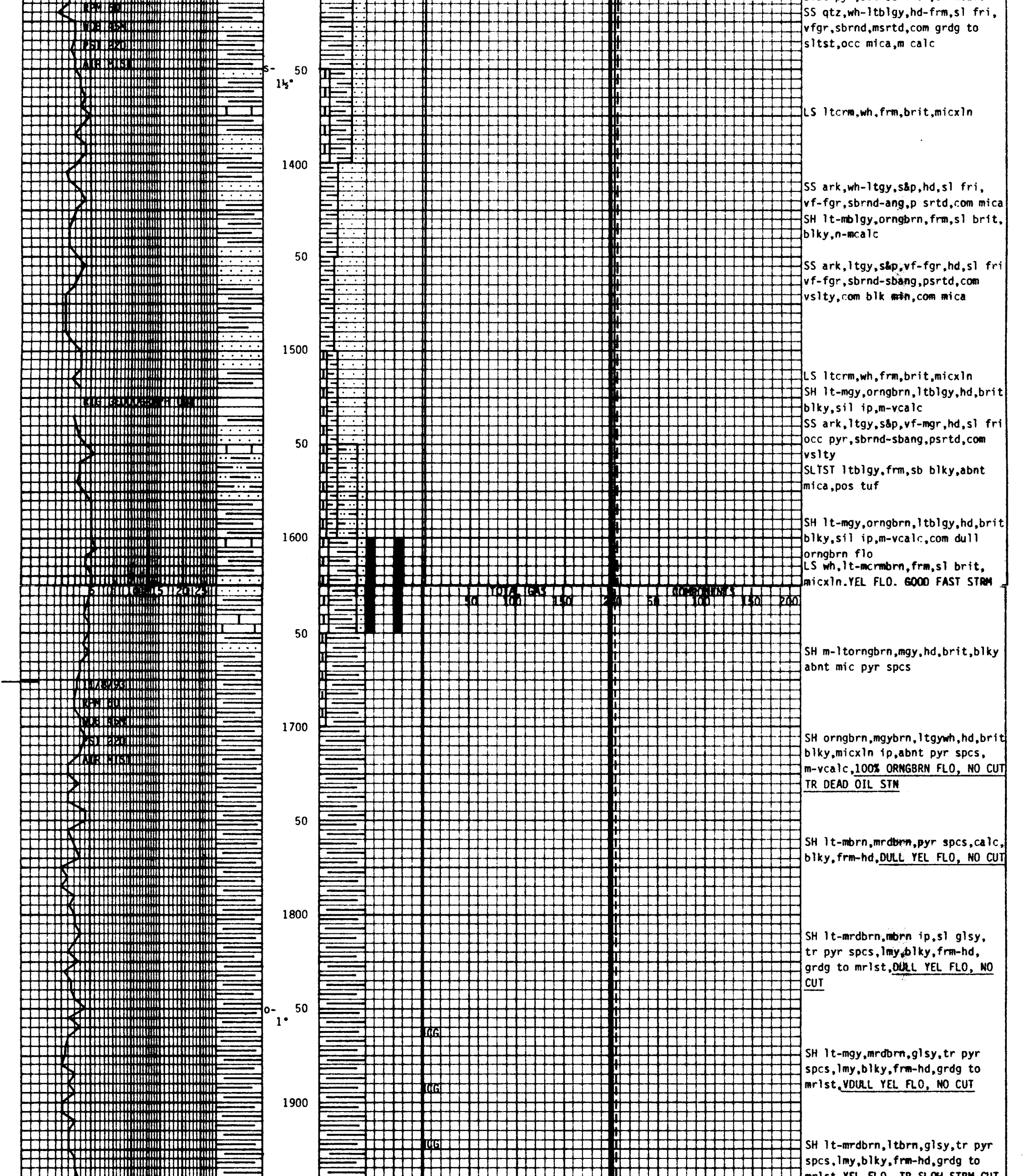
DIVISION OF
L, 244 & MOVING

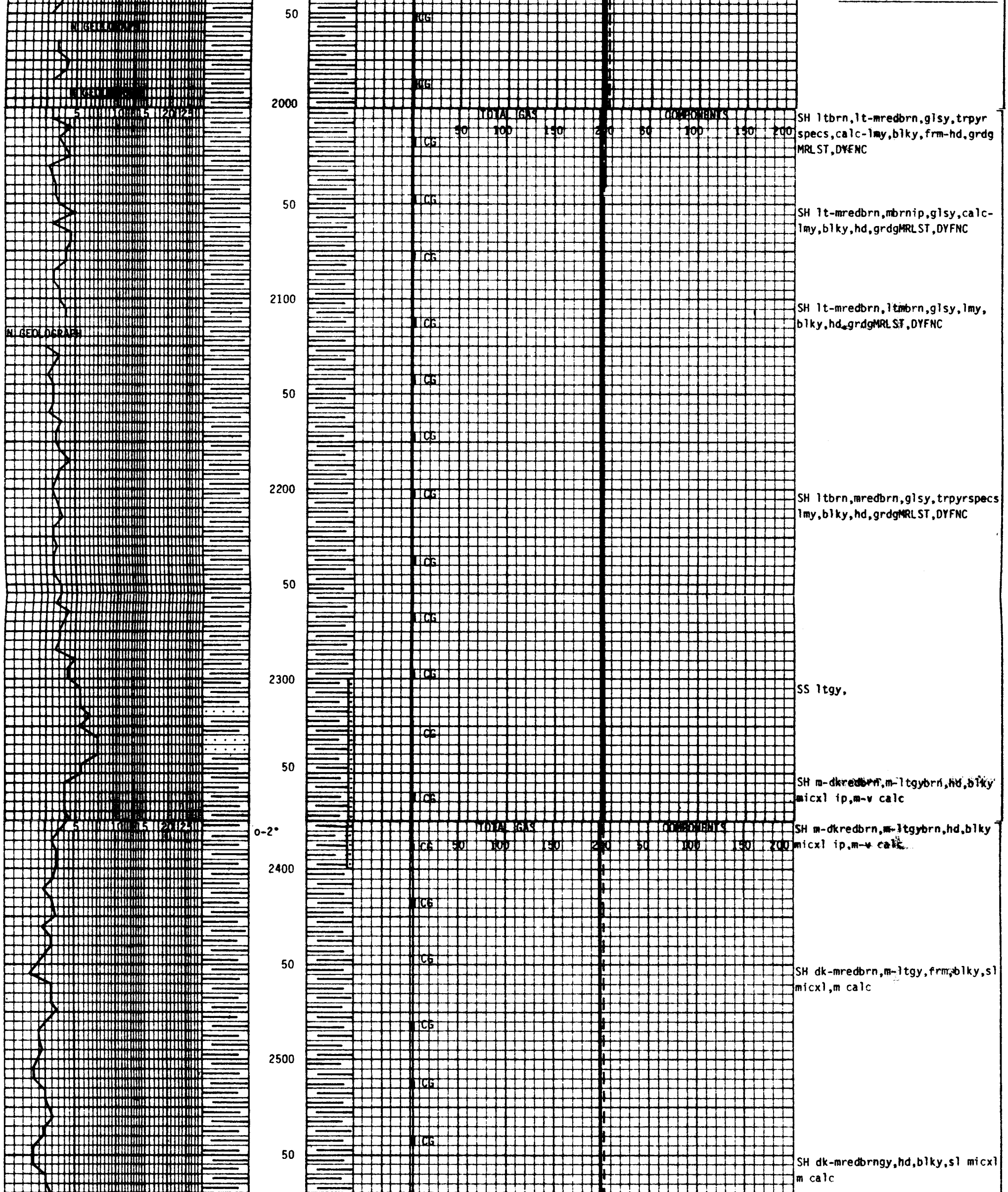
2913 HERMOSA CT., GRAND JUNCTION, CO 81504 ● (303) 241-9351

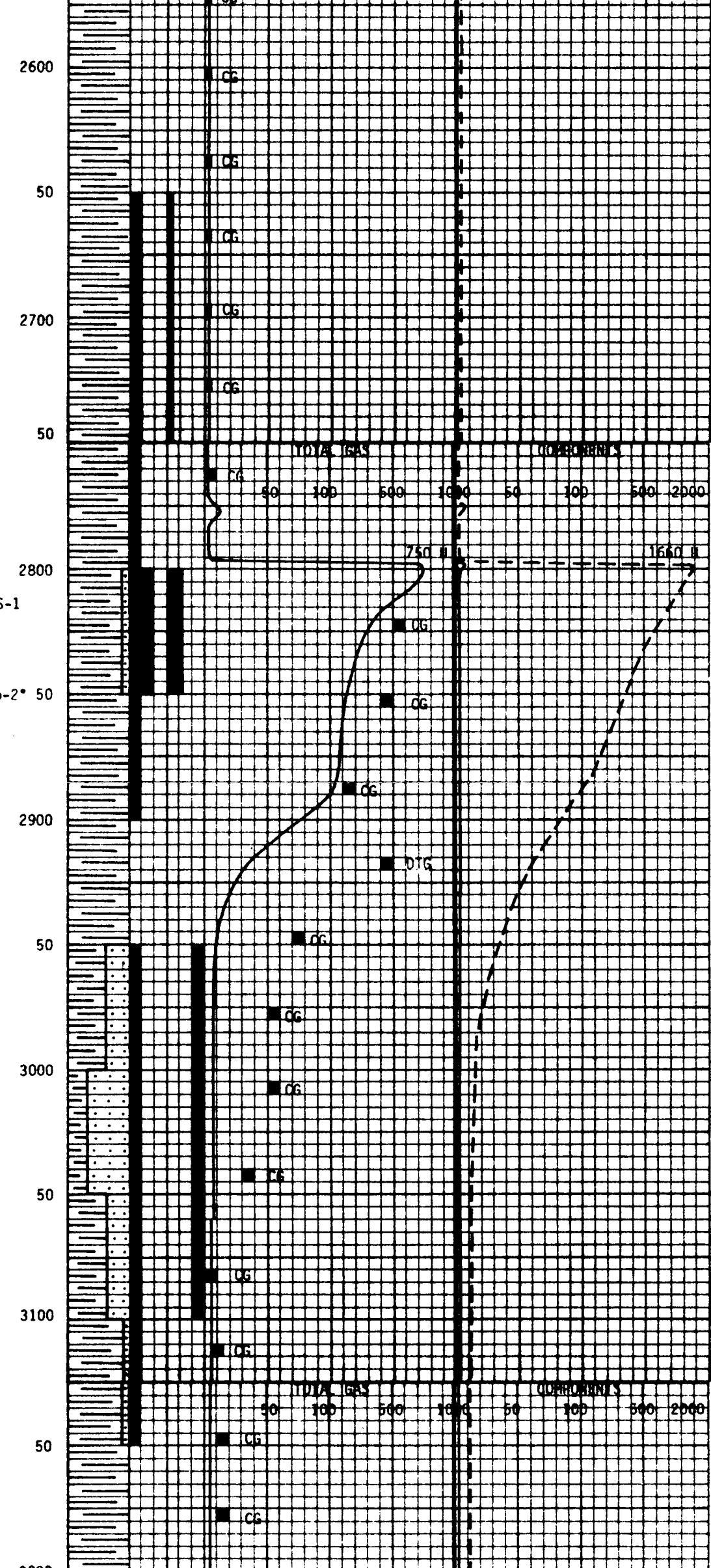
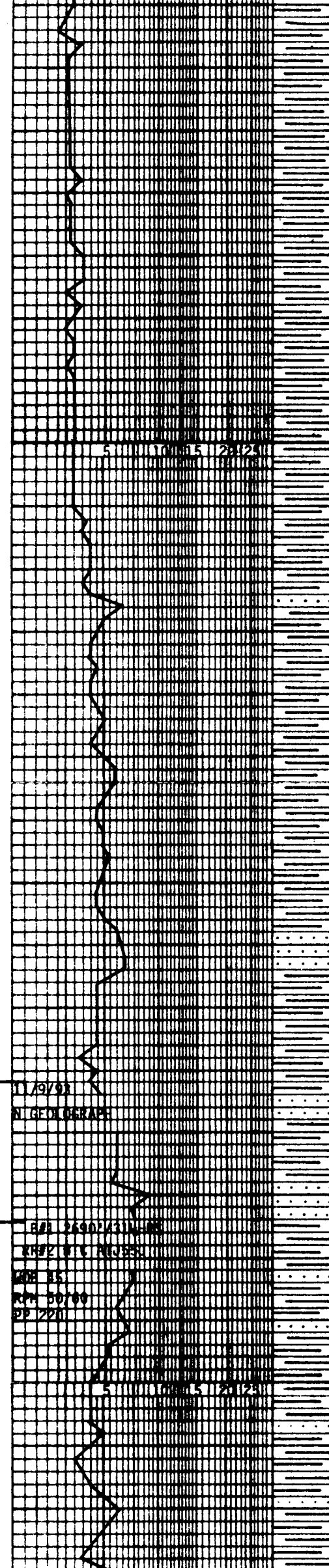
	FROM	TO
DEPTH LOGGED	1300'	5850'
DATE LOGGED	11/7/93	11/13/93
ENGINEERS	JOHN KUYKENDALL ZEKE CARTER	

NB - NEW BIT
RR - RERUN BIT
NR - NO RETURNS
CO - CIRCULATE OUT
NS - NO SAMPLE
TG - TRIP GAS
CG - CONNECTION GAS
DTG - DOWN TIME GAS
LAT - LAGGED AFTER TRIP

DRILLING RATE IN			LITHOLOGY		OIL SHOW		PORO		TOTAL GAS & CHROMATOGRAPH HYDROCARBONS IN UNITS								LITHOLOGY DESCRIPTION AND REMARKS			
MIN/FT	MIN/2 FT	MIN/5 FT	INTERPRETIVE	DEPTH	PERCENTAGE	SHOW	PORO	TOTAL GAS	METHANE	ETHANE	PROPANE	BUTANE	PENTANE	WT	VIS	WL	PH	CKE		
5	10	15						50	100	150	200	50	100	150	200	LOGGING UNIT #1 ON LOCATION, RIGGED UP & LOGGING 11/7/93				
11/7/93																				
SH 1t-mblgy, 1t-mgy, frm, blk, y, com																				







SH dk-mbrngy,ltgy,frm-hd,blky,
micxl ip,OCC O STN,OCC YEL FLOR
G FAST STRM CUT

SH dk-ltgybrn,frm-hd,blky,OCC
BLEEDING OIL,YEL FLOR,EXC CUT

NEW GAS SCALE

SH predmbrngy,dk-ltgybrn,wh,hd,
micxl ip,OCC YEL FLOR,OCC O STN,
G FAST STRM CUT

SS qtz,wh,hd,sTfri,vf-fgr,ang-sb
rd,psrtd,comsity,p-fr por,COM O
STN,YEL FLOR,G FAST STRM&BLEEDING
CUT

SH lt-dkorngbrn,ltgy,frm-sft,sb
blky,ORNG BRN FLOR,OCC YEL FLOR
W/OCC G FAST BLEEDING CUT

SH mgy,lt-dkorngbrn,hd,blky,plty
com sd incl,occpyr,com dul orng
brn flor

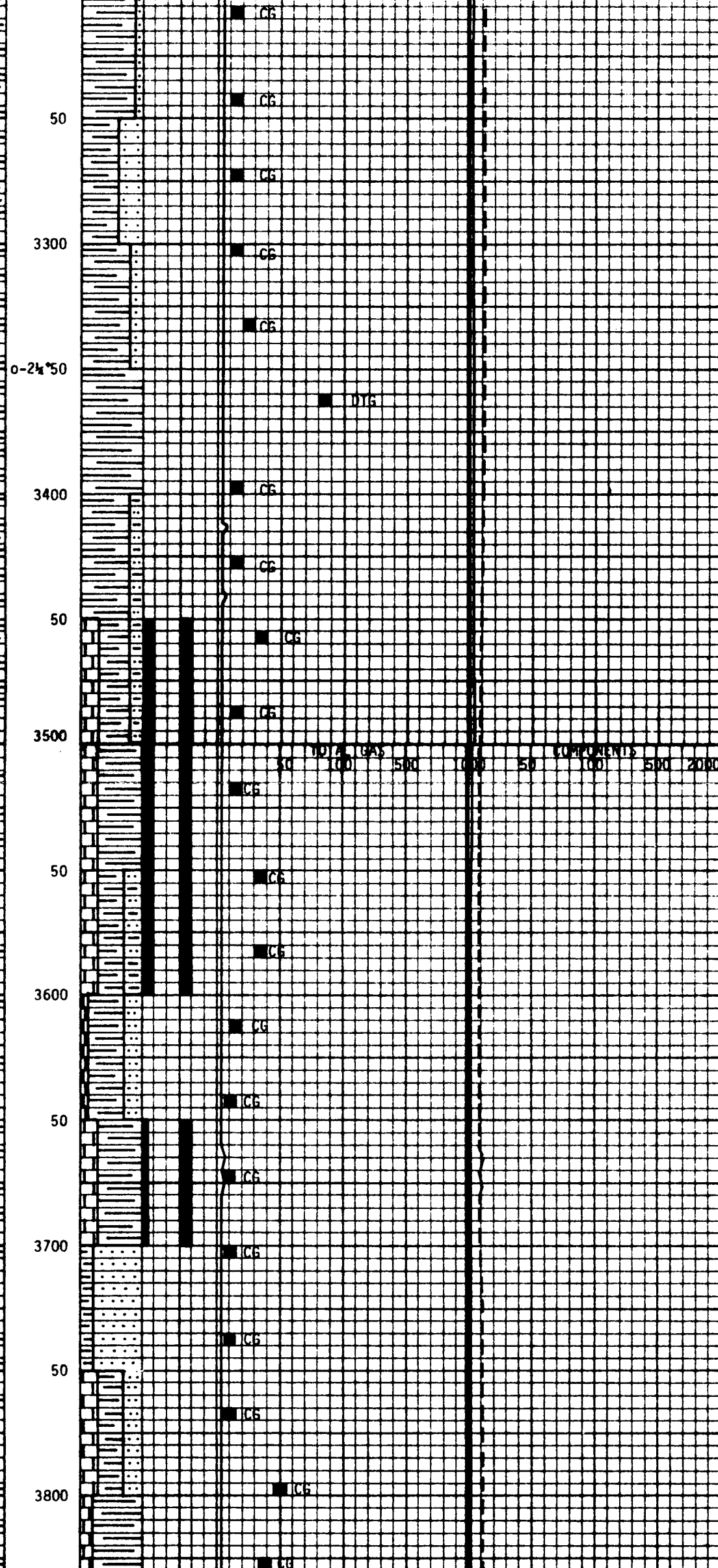
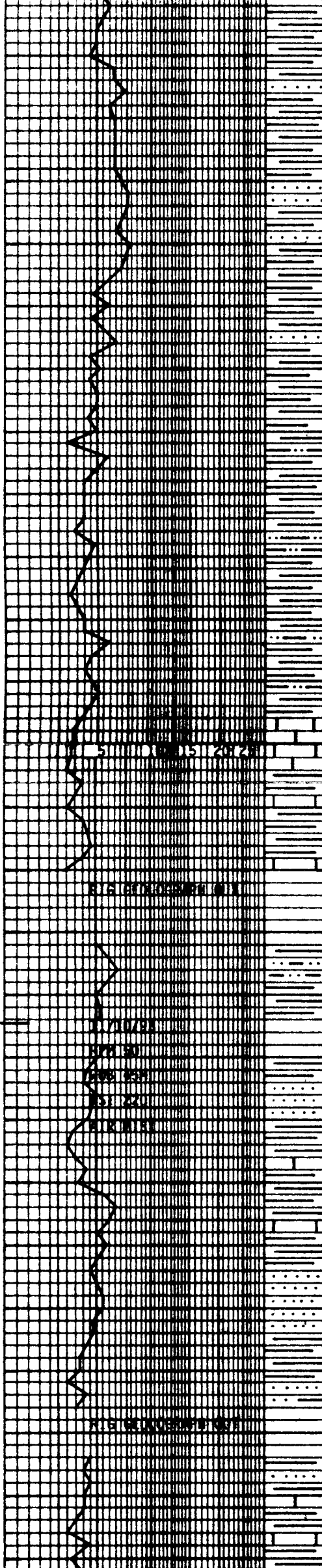
SS qtz,mbrngy,sbp,sft,vfri,f-mgr
sbrd,m-psrtd,vargip,com mica,
COM O STN,OCC YEL FLOR,G FAST
STRM CUT

SH aa,com sd zn

SS clr,ltgy,m-cgr,sbang-sbrd,m-p
srtd,uncons,m calc,fri,TR BRN O
STN,N FLOR,G FAST STRM CUT

SH mbrn,mgysl slty,pyr specs,
calc,plty-blky,frm-hd

SH lt-dkormbrn,m-ltgy,hd,slbrit,
blky,occpyr,mcalc,COM ORNGBRN
FLOR,OCC O STN,OCC G FASTSTRMCT



SS qtz,wh-ltgy,slsap,frm,mfri,
vfgr,sbang,psrtd,vslty,com f gr
incl

SH mgy,frm-sft,sb plty,grdgSLTST

SH m-ltbrn,wh,frm,brit,micxl,
m calc

SH m-lt orngbrn,wh,ltgybrn,frm,
brit,blky,occ pyr,ABNT YEL&DUL
ORNG FLOR,N CUT,N STN

LS wh,ltcrnbn,vsft-frm,sbblky
n-varg,grdgSH,OCC YEL FLOR,FR
MOD FAST STRM CUT,N O STN

SH mgy,mgybrn,dk-ltrdbn,frm,
blky,com pyr spec,m-vcalc,lmy
ip

SLTST qtz,wh,lt-mgy,frm,mfri,
occ ss zn

SH m-ltgy,ltblgy,frm-hd,blky-sb
blky,grdg to sltst ip,com pyr

SS lt-mgy,clr ip,glsty,vf-fgr,
sbang-rnd,calc,fri-frm,tt
SH lt-mgy,sl bent,tr pyr spcs,
calc,blky,frm-hd

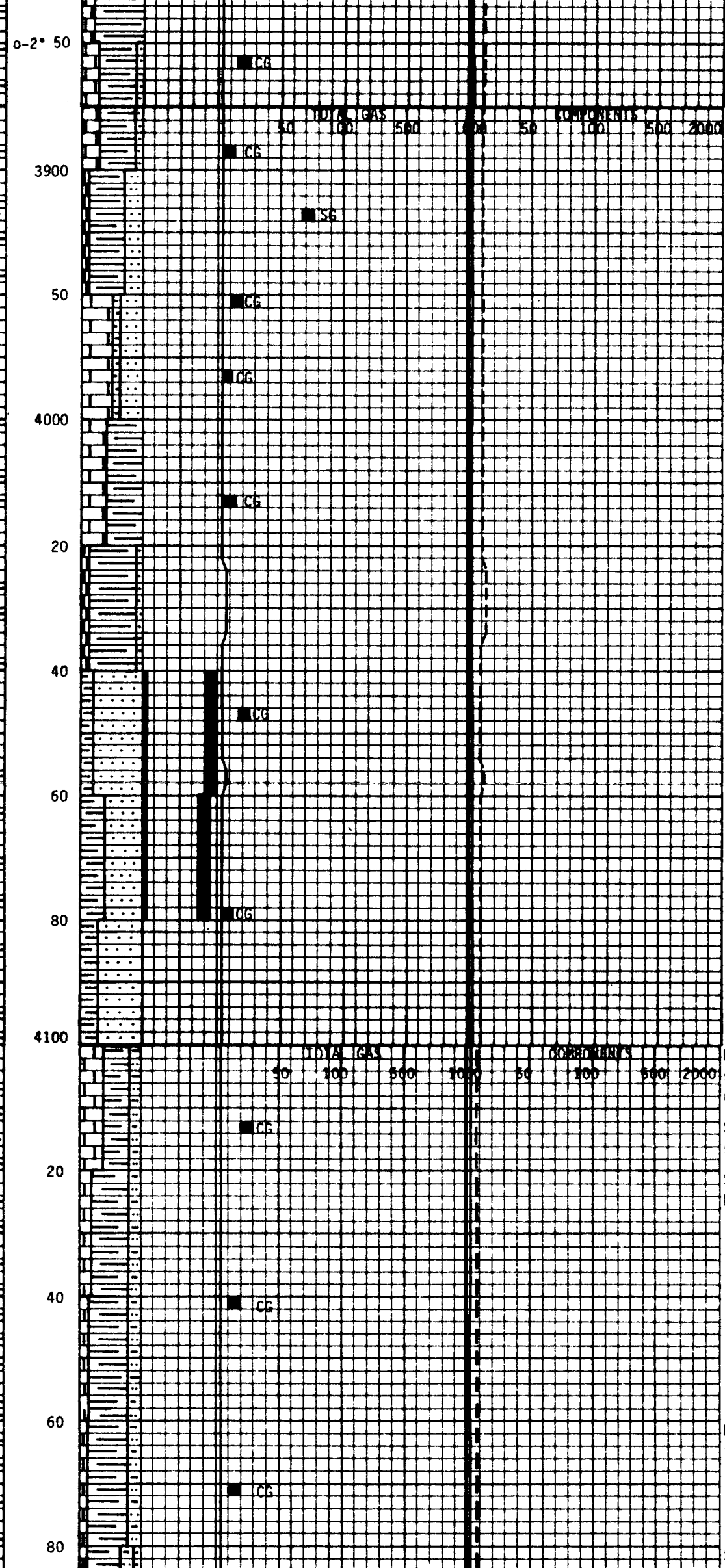
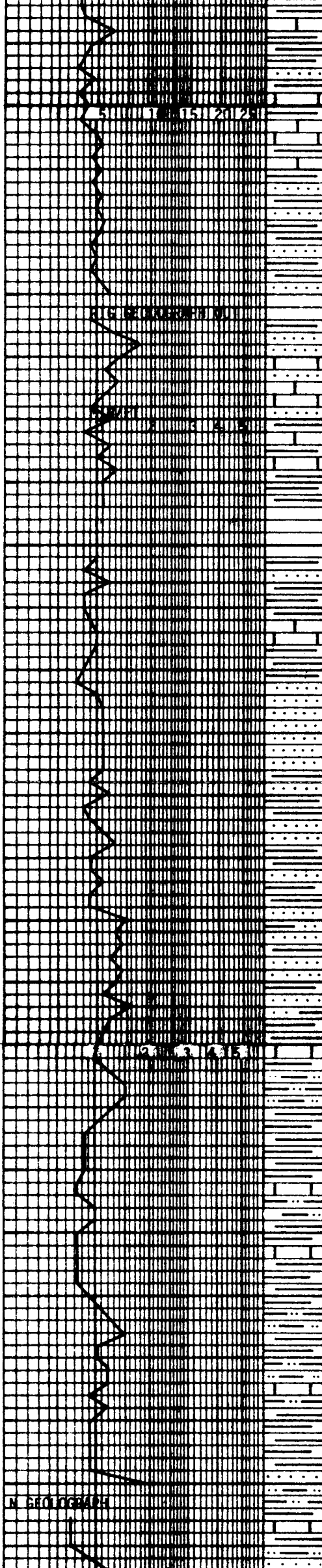
LS lt-mrdcrn,crypt-micxln,sl
glsty,blky,frm-hd,YEL FLO, STN

SS ltgy,clr,vf-fgr,mgr ip,sbang-
rnd,uncon & calc,fri

SH lt-mgy,pyr spcs,calc,plty-
blky,frm

LS lt-mrdbrn,crypt-micxln,sl glsty
blky-plty,frm,grdg to mrlst,DULL
YEL FLO, NO CUT

SH mbrn,mgy,mrdbrn,bent ip,glsty



ip,py,spcs,crpt-micxln,ip,blky
frm-hd,grdg to mrlst,DULL YEL
FLO, STN-VSLOW STRM CUT
LS lt-mcrm,glsty,crpt-vfxln,
gran ip,blky,frm-hd,dns,VDULL
YEL FLO, NO CUT

SS clr,ltgy,sl glsty,vfgr,sbang-
rnd,calc,fri-frm,sl tt

LS lt-mcrm,dns,crpt-micxln,blky
frm,ool ip,DULL YEL FLO, NO CUT
SS clr,ltgy,sl glsty,vf-gr,
sbang-rnd,calc,fri-frm & uncon
NOTE SCALE CHANGE FROM 2"=100'
TO 5"=100'

LS lterm,mrdcrm,glsty,crpt-mic
xln,plty-blky,frm-hd,DULL YEL
FLO IP, NO CUT

SH mgy,mblgrn,sl bent,calc,plty-
blky,frm
SS ltgy,clr,glsty,vfgr,sbang-
sbrnd,calc,fri-frm,tt

SS clr,ltgy,vf-gr,sbang-rnd,
uncon & sm calc,fri,TR LTBRN
OIL STN,NO FLO,MOD STRM CUT IP

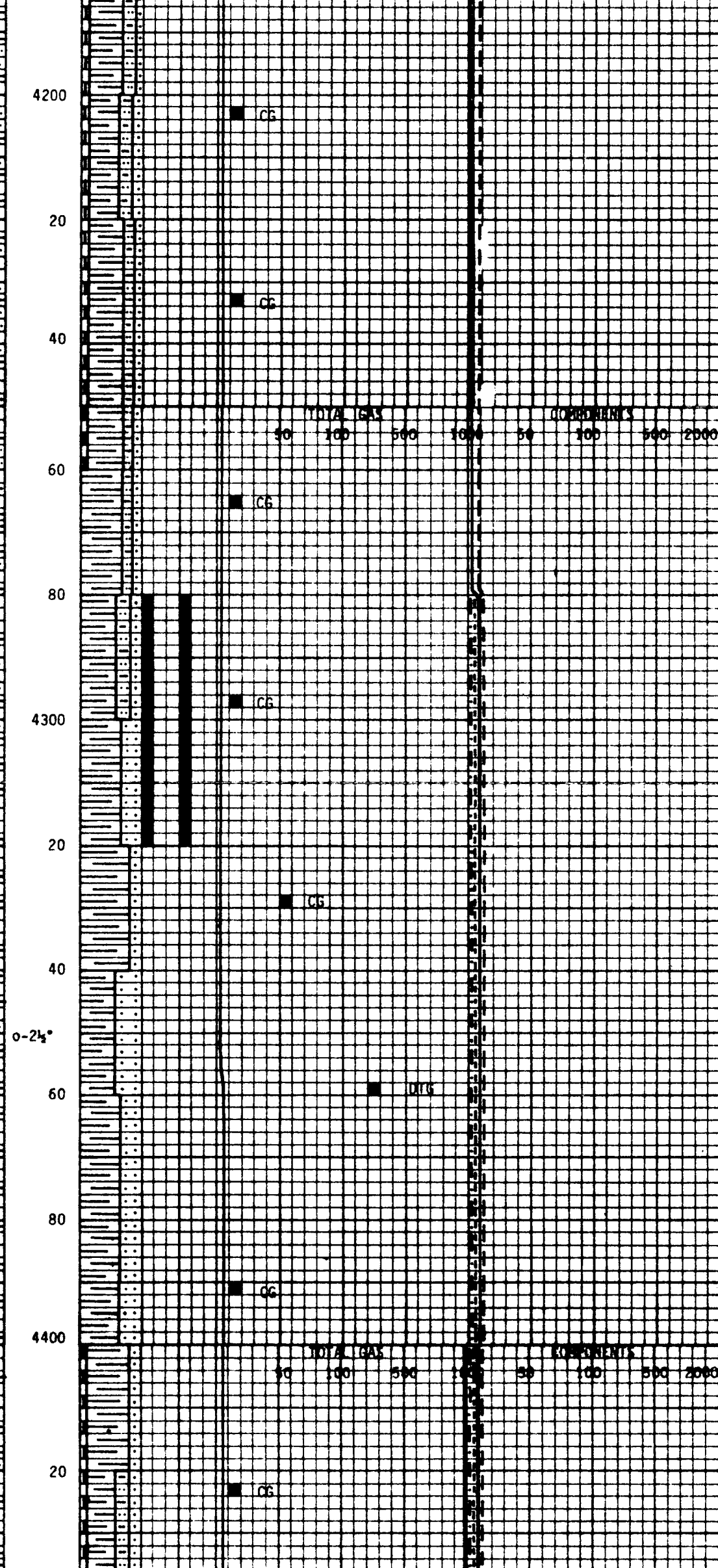
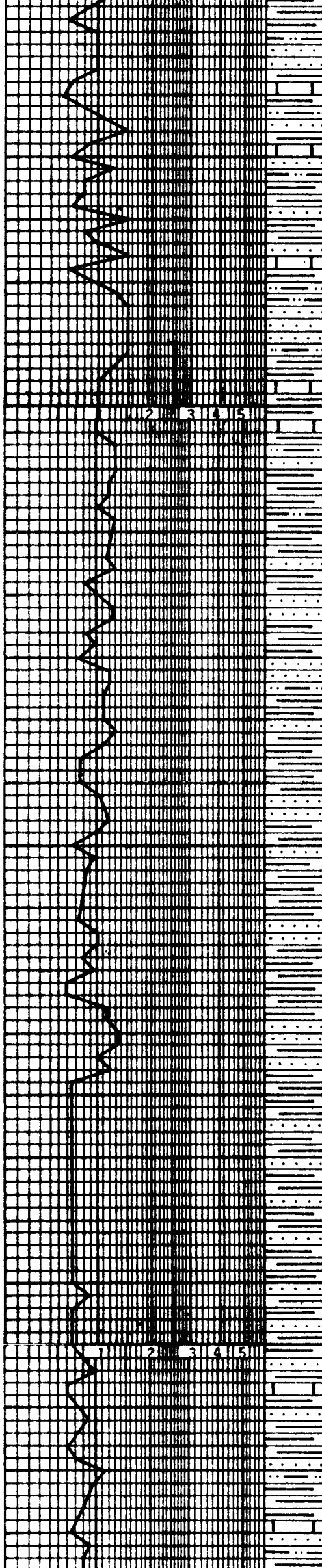
SS clr,ltgy,vf-gr,sbang-rnd,
calc,fri & uncon,TR LTBRN OIL
STN, NO FLO,FAST STRM CUT IP

SS clr,fgr,ang-sbrnd,uncon,sm
calc,fri
SH lt-mgy,tr pyr spcs,calc,plty-
blky,frm

LS m-ltermbrn,wh,frm-sft,slbrit
sbbiky,micxl,n-slarg,comwhflor
n cut
SLTST qtz,ltgy,wh,frm,slfri,occ
sdy zn
SH m-ltgy,lt-mblgy,frm,slbrit,
blky,occpyr

LS ltermwh,sft-frm,sbbiky,slbrit
ip,micxl,micgran

SS qtz,wh,s&p,sft,vfri,vf-gr,



ang-sbang,psrtd,v slty
SH m-ltgy,ltblgy,mcrnbrn,dk
redbrn,frm,blky-sbply,slmicxl
sl-m calc

SS qtz,wh,ltgy,frm,vfgr,ang-sbang
ang,psrtd,vslty,COM 0 STN,N FLOR
OCC FR FAST STRM CUT,P POR

SH lt-mblgy,m-dkcrnbrn,wh,sft,sb
blky,sl-mcalc,OCC ORNGBRN&YEL
FLOR,TR FR MOD FAST STRM CUT

SS qtz,clr-mbrn 0 stn,sft,mfri
vf-mgr,ang-sbang,psrtd,vslty,
ABNT 0 STN,N FLOR,N CUT

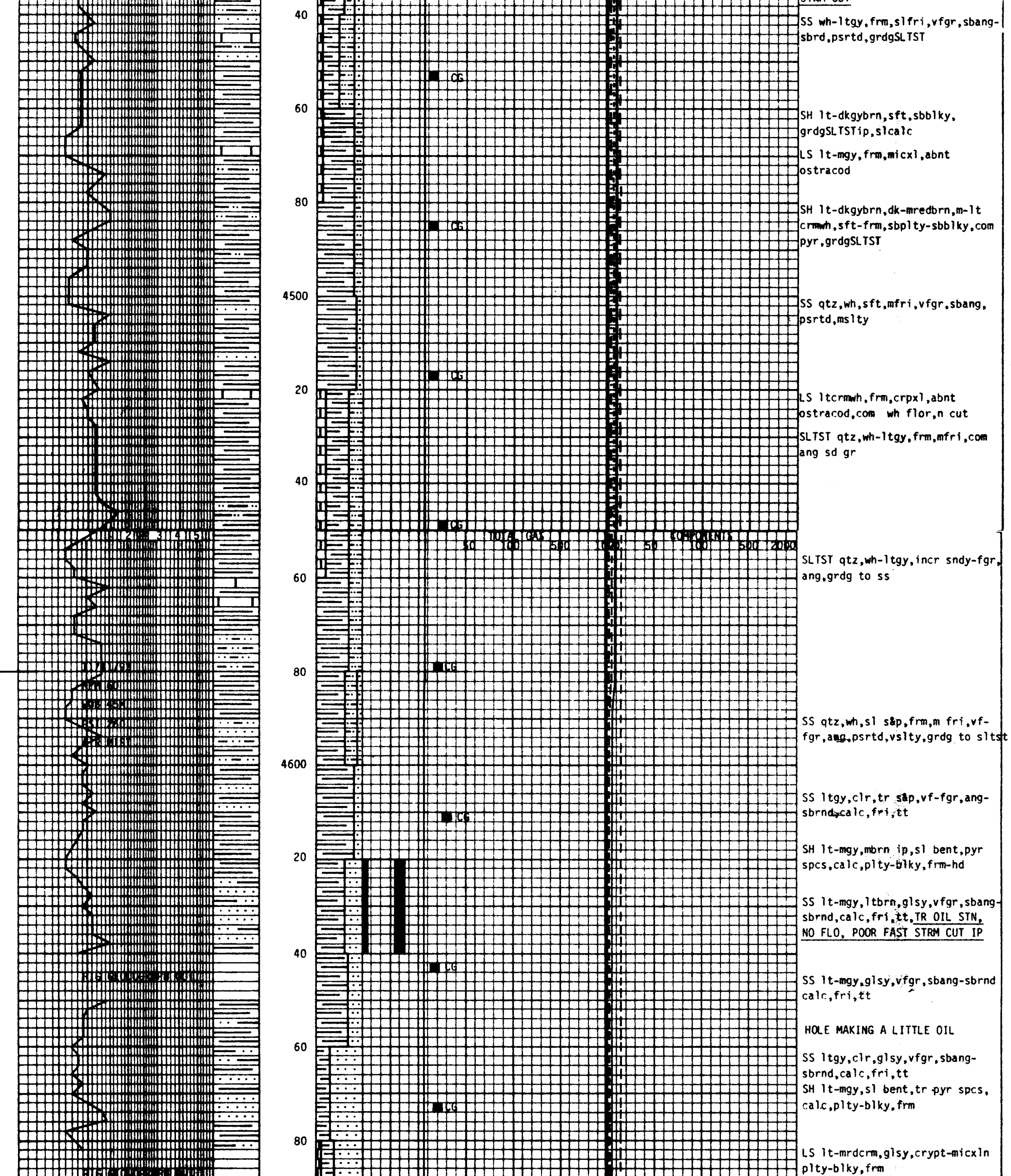
SH lt-mblgy,dk-mcrnbrn,wh,frm-
sft,ply-sbply,COM ORNGBRN FLOR,
OCC WH FLOR,OCC 6 FAST STRM CUT

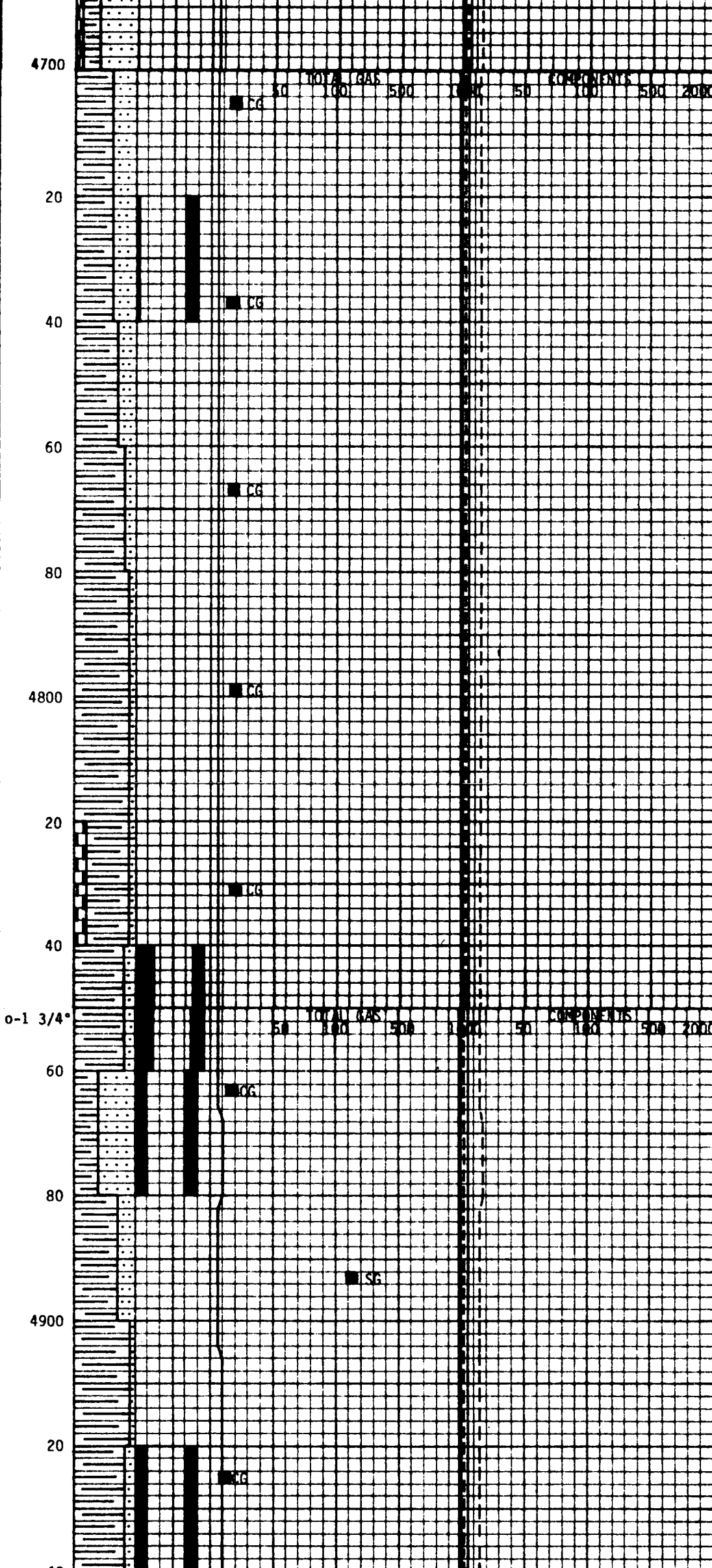
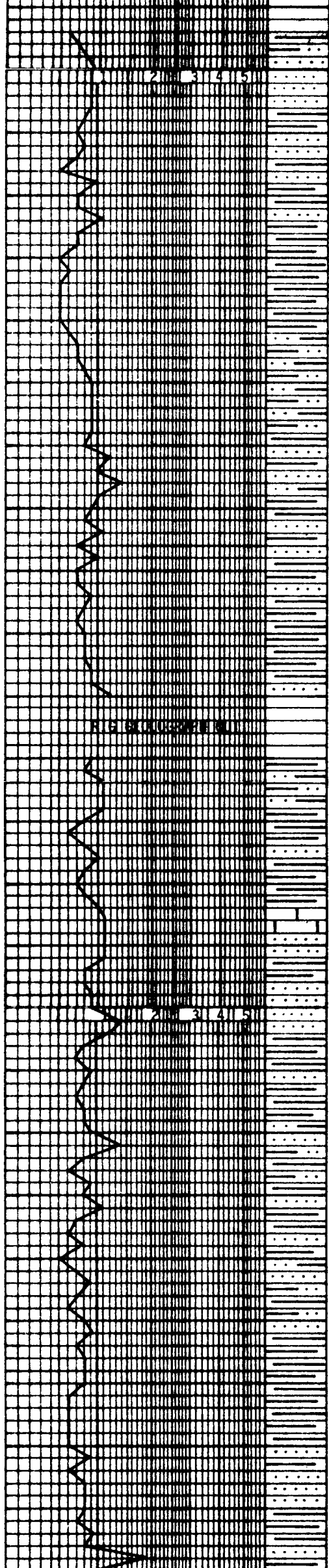
SS qtz,wh,sft,mfri,vfgr,com fgr
incl,sbang-sbrd,psrtd,vslty,
grdgSLTSTip,OCC 00 0 STN,N FLOR
N CUT

LS wh,ltcrnbrn,frm,slbrit,blky
micxl,n-sl arg

SLTST qtz,lt-mgy,frm,slfri,
grdgSH

LS lt-mcrnbrn,frm,micxl,abnt
ostracod,OCC 0 STN,OCC FR SLOW





SS lt-gy,clr,sl glsy,vf-gr,ang-sbrnd,calc,fri,uncon ip

SH lt-mgy,pyr spcs,calc,plty-blky,frm

SS ltgy,clr,glsty,vfgr-sltty,calc fri-frm,tt,TR OIL STN, NO FLO, FAST STRM CUT IP

SS ltgy,clr,glsty, tr s&p,vfgr, slty,sbang-sbrnd,calc,fri-frm,tt

SH mgy,ltgy,sl bent, tr pyr spcs calc,plty-blky,frm

SS ltgy,mgy ip,vfgr-sltty,glsty, sbang-rnd,calc,fri-frm,tt

SH lt-mgy,pyr spcs,calc,plty-blky,frm

SH mbrn,lt-mgy,sl bent,calc, plty-blky,frm

SS ltgy,clr,vfgr,slty,calc,fri, tt

LS lt-mbrn,lt-mbrn, crypt-micxln vfxln ip,plty-blky,frm

SH lt-mgy, tr pyr spcs,sl bent, calc,plty-blky,frm

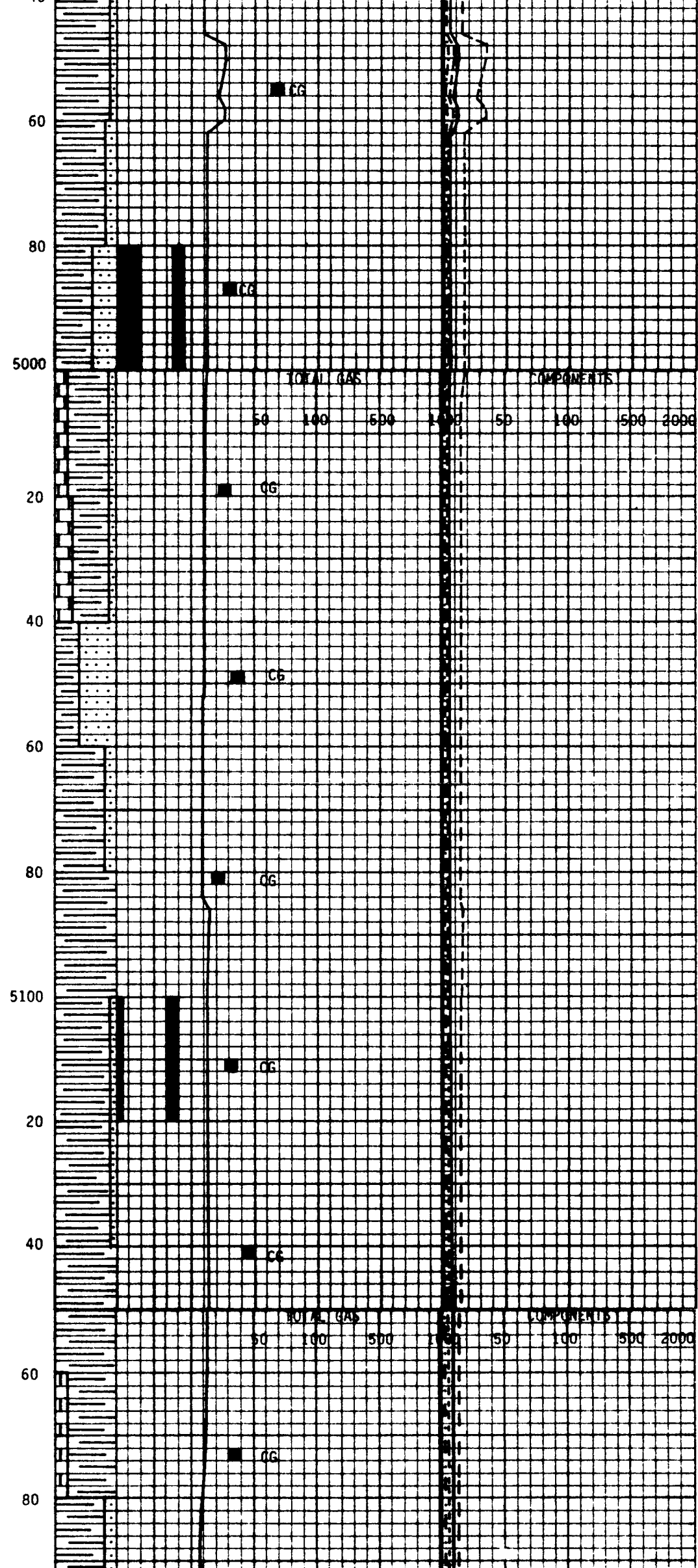
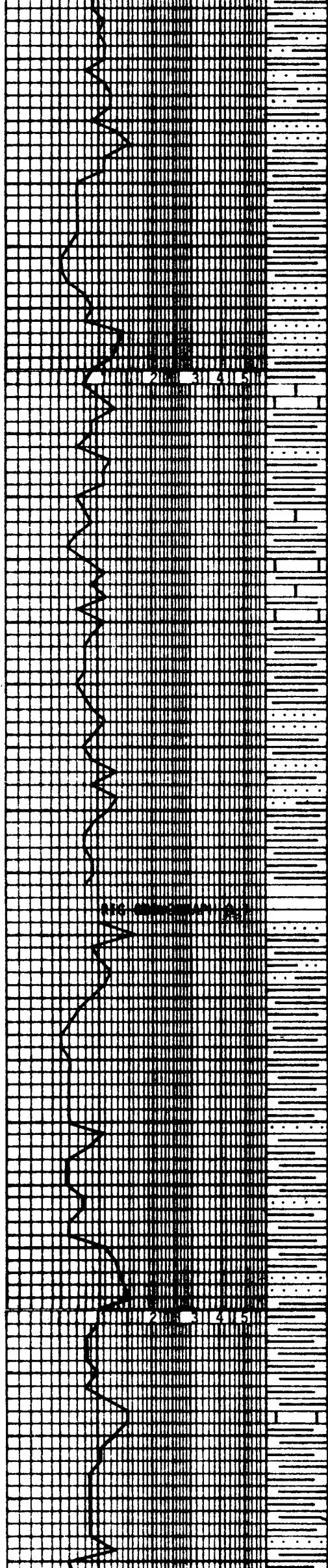
SS ltgy,clr,lt-mbrn oil stn,vf-gr,sbang-rnd,uncon & calc,fri OIL STN, DULL YEL FLO, FAST STRM CUT

SS ltgy,clr,vfgr-sltty,sbang-rnd, calc,fri,tt,TR OIL STN, NO FLO, FAIR FAST STRM CUT

SH lt-mgy,sl bent, tr pyr spcs, calc,plty-blky,sft-frm

SS ltgy,clr,vfgr-sltty,sbang-rnd, calc,fri

SS ltgy,clr,glsty,vfgr-sltty, sbrnd-rnd,calc,fri,sl tt,TR OIL STN, NO FLO, FAST STRM CUT



SH mgy,sl bent, tr pyr spcs, calc
plty-blky, frm

SS lt-mgy,clr,gl sy,vfgr.sbang-
rnd,calc,frm,tt

SH mgy,sl bent, tr pyr spcs, calc
plty-blky, frm

SS ltgy,clr,lt-mbrn stn ip,vf-
fgr,sbang-rnd,calc,fri-frm,tt,
YEL FLO IP, GOOD FAST STRM CUT

LS ltcrm,ltredcrm,mic-vfxl,plty-
blky,frm

SH m-dkbrn,mgy,trpytspec,calc,
plty-blky,frm

SH lt-mgy,m-dkbrn,trpytspec,calc
plty-blky,frm

SS ltgy,clr,gl sy,vf-fgr,sbang-
rnd,calc,frm,sl tt

HOLE MAKING MORE OIL

SS ltgy,clr,gl sy, tr s&p,vf-fgr,
sbang-rd,calc,fri-frm,sl tt

SH lt-mgy,sl BENT, tr pyrspec,
calc,plty-blky,frm

SH lt-mgy,mbrn,bl ip,pyr specip
calc,plty-blky,frm

SS clr,ltgy,ltbrn stn ip,calc,
vf-fgr,sltyip,calc,fri,unconsip
O STN IP,YEL FLOR IP,FR MOD STRM
CUT

SH m-ltgy,dk-mgybrn,frm-sft,sb
plty,sl-m calc,occ pyr

LS lt-mcrn,frm,blky,n-v arg,
SH dk-ltgybrn,dk-mcrn,frm,sb
blky,grdg lt gy SLTST

SS qtz,wh-ltgy,frm,slfri,vfgr-
slty,ang-sbang,msrtd,grdgSLTST

HOLE MAKING MORE OIL

5200

20

40

60

80

5300

20

40

0-2 3/4"

60

80

5400

20

40

CG

CG

CG

CG

CG

CG

CG

CG

CG

CG

TOTAL GAS

50

100

500

COMPONENTS

50

100

500

2000

SH m-ltgy,mcrrbrn,dkredbrn,wh,
sft-frn,sbblky,mcalc,com
grdgSLTST

SH m-ltblgy,dkorngbrn,frm,blky,
com orngbrn flr

SS qtz,wh,ltgy,brn o stn,frm,
mfri,vf-fgr,ang-sbang,psrtd,
ABNT O STN,N FLOR,N CUT

HOLE MAKING MORE OIL

SH lt-mgy,ocmredbrn,frm,blky,
com grdg SLTST

SS qtz,wh-ltgy,sft,vfri,vfgr,
ang-sbang,psrtd,vs lty,grdgSLTST

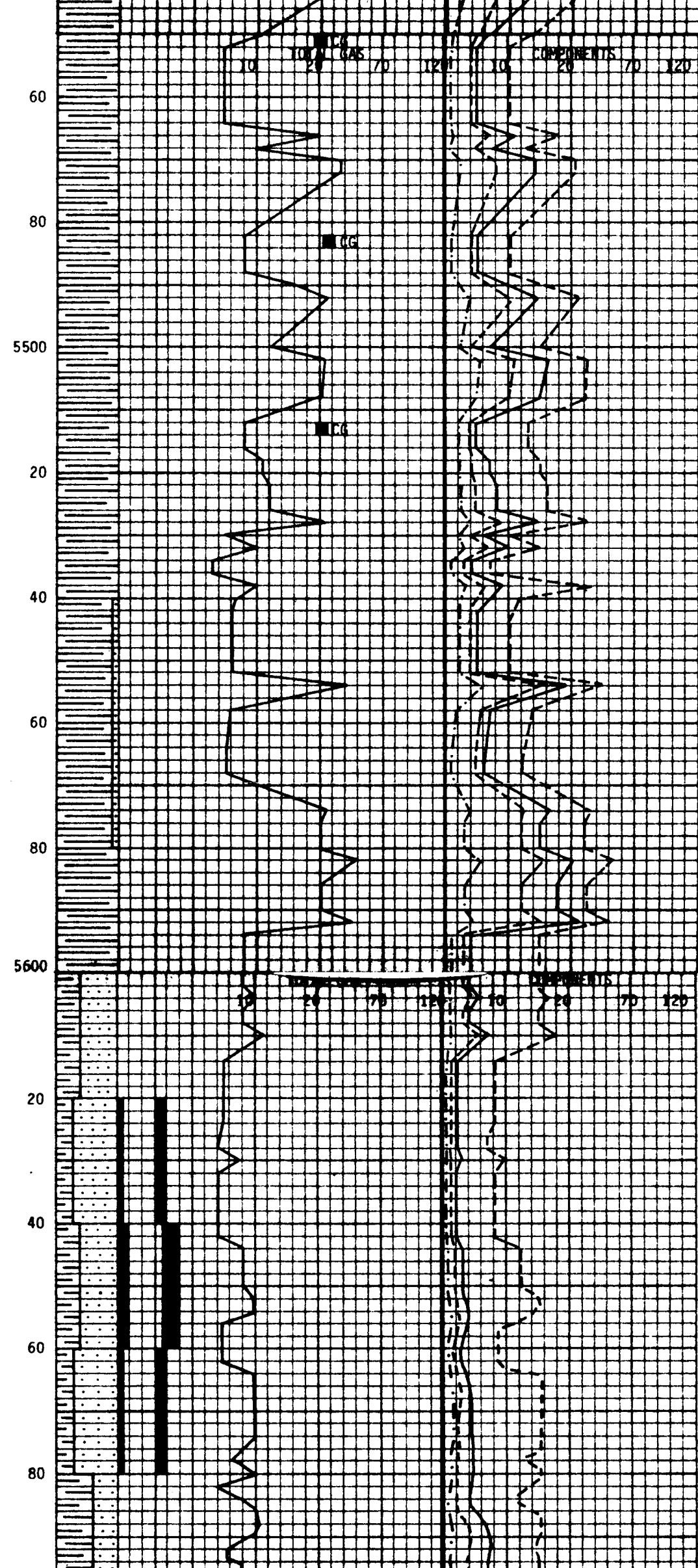
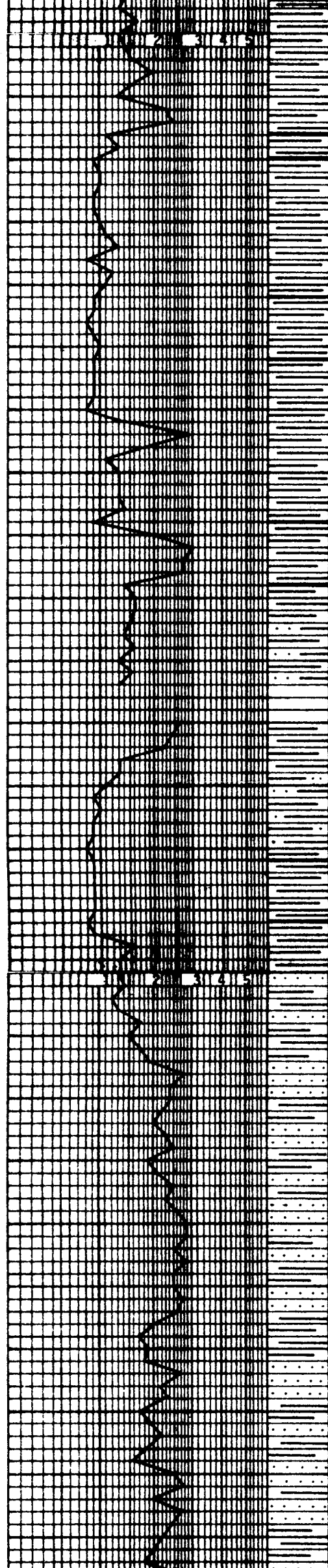
SH lt-dkgy,sft-frn,sbblky

DRLG W/ MUD

SH ltgy,lt-mgrngy,mbrn,sl bent,
pyr spcs ip,sl-calc,ply-blky,
frm

tr LS lterm,ltrdcrn,fos,mic-
vfxln,blky,frm,DULL YEL FLO,
GOOD MOD STRM CUT

SH m-dkbrn,lt-mgy,carb ip,bent



SH dkbrn-blk, vcarb, tr pyr spcs, calc-v, blk, frm, grdg to varg coal

SH dkbrn-blk, vcarb, pyr strks, calc-v, blk, frm, grdg to varg coal

SH m-dkbrn, blk ip, pyr spcs, calc plty-blky, frm, grdg to varg coal ip

SH m-dkbrn, decr carb, pyr spcs, calc, plty-blky, frm

SH mbrn, lt-mgy, pyr spcs ip, bent ip, calc, plty-blky, frm

SS lt-mgy, offwh, sl arg mtx ip, vfgr, sbang-rnd, calc, fri

SH m-dkbrn, tr blk, pyr spcs, calc plty-blky, frm
SS ltgy, offwh, vglsty, fgr, sbang-rnd, sil, hd, tt

SH dkbrn, mbrn ip, blk ip, sl pyr spcs, calc, plty-blky, frm, grdg to varg coal ip

SH m-dkbrn, pyr spec, calc, slcarb plty-blky, frm

SS ltgy, offwh, arg mtx ip, glsy, vf-fgr, sbang-rd, calc, fri, frm, tt

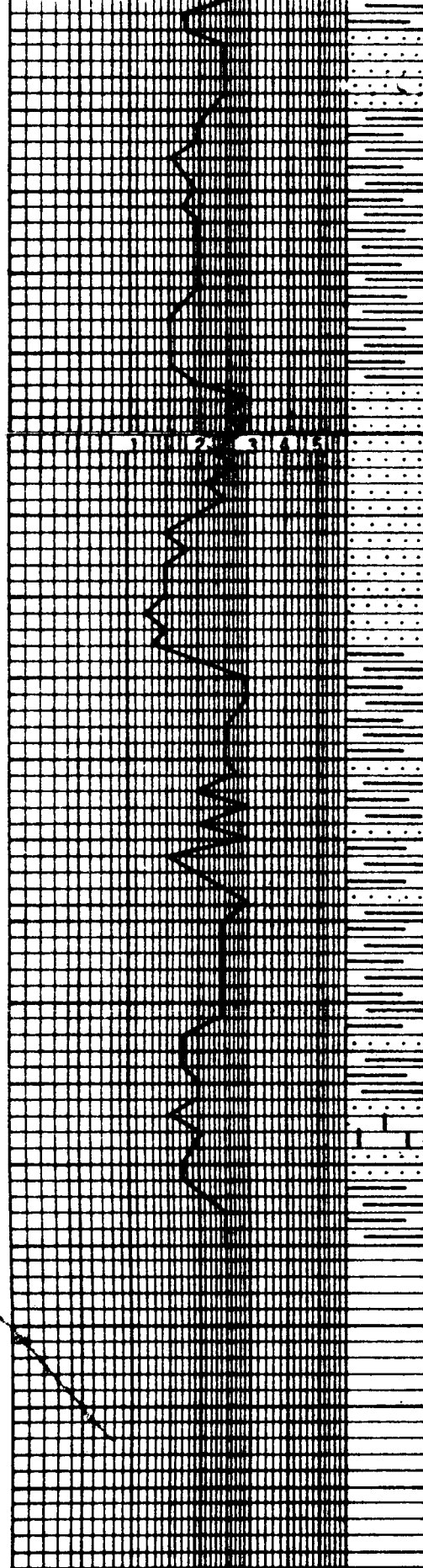
SS lt-mgy, clr, glsy, vf-fgr, ang-rd, calc, fri-frm, tt, grdg
SLTSTip, COM BLK O STN, N FLOR, G FAST STRM CUT

SS wh, com blk o stn, frm, m fri, vf-fgr, sbnd, msrtd, 40%BEK O-SEN, OCC YEL FLOR, G FAST STRM CUT, FR-G POR

SS aa, incr slty, p por, 20% blk o stn

SH predmgy, occdkgyblk, m-dkcrnfrm, sbpty, com slty, calc

SH lt-dkgy, occblk, sft-frm, sbplty-sbbiky, com slty, occ pyr spec



5700

20

40

60

80

5800

20

40

5850

TD

■ CG

■ CG

■ CG

■ CG

■ CG

SS qtz,wh,lt-mgy,frm,mfri,vfgr,
msrtd,vslty,grdgSLTST,p por,OCC
DD O STN,N FLOR,N CUT

SH pred dkgy,m-ltgy,vsft-frm,
plty-sbplty,dul,micgran,
grdgSLTST

SS qtz,clr-ltgy,sft,vfri,f-mgr,
sbrd-sbang,msrtd,comwhcly,100%
BRI GNYEL FLOR,SL O STN,G MOD

FAST STRM CUT WHEN DRY,NONE WHEN
WET,G POR

SH m-ltgy,frm-vsft,sb blk,m
slty,calc

SH lt-dkgy,occ dkgyblk,sft,sb
plty,sl-v slty

SS qtz,lt-mgy,wh,sft,vfri,vf-
fgr,ang-sbrd,psrtd,vslty,P POR,
N O STN,1%GNYEL FLOR W/MOD FAST
STRM CUT WHEN DRY,N CUT WHEN WET
SS qtz,wh,sft,vfri,f-vfgr,m-p
srtd,ang-sbang,occmica,occSHclas

LS m-ltcrbrn,sft-frm,micgran-
micxl,sl-marg,N O STN,N VIS POR,
OCC DUL BRN FLOR,FR SLOWSTRMCUT
SS qtz,wh,sft,vfri,f-vfgr,sbrd-
sbang,m-psrtd,vslty,com wh cly,
P-FR INTSTL POR,SL BRN O STN,
COM BRI GNYEL FLOR,N CUT

SH lt-mgy,occdkgy,sft,sbplty-sb
blk,v slty,abnt blk spec,calc

ZONE AT 2800' PRODUCING
CONNECTION GAS

TD 11/12/93
RELEASED 11/13/93

GEOLOGIC WELL LOG

OPERATOR: BALCRON OIL

WELL: MONUMENT BUTTE FEDERAL No. 42-1J

COUNTY: DUCHESNE STATE: UTAH

SECTION: 1, TOWNSHIP 9S, RANGE 16E

QTR. SEC. SENE 2087' FNL, 692' FEL

KB 5390', GL 5380'

RIG: UNION #17

TOTAL DEPTH: 5850' STATUS: AWAITING COMP.

SPUD DATE: 10-19-93 COMP. DATE: UNKNOWN

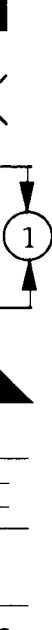
PERFS: UNKNOWN

GEOLOGIST: K. Jones

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POROSITY & SHOW SYMBOLS

OPERATIONAL SYMBOLS



A vertical diagram illustrating different wellbore completion types. From top to bottom, the types are: CORE (represented by a solid black rectangle), SIDEWALL CORE (represented by a vertical line with a diagonal crack), DST (represented by a circle with the number 1 inside, with arrows pointing up and down), CASING SEAT (represented by a solid black triangle), PERFORATIONS (represented by horizontal lines of varying lengths), and SQUEEZED PERFS (represented by horizontal lines of varying lengths, with the top line being the longest and the bottom line being the shortest).

FROM: 1300' TO: Total Depth

DRILL RATE				P o r o s	S h o w s	C o r e	C s g .	TEXT
Min/Ft <input checked="checked" type="checkbox"/>	Ft/Hr <input type="checkbox"/>							
0	5	10	1300					Sh - md gy, blk y
								Sltst - lt gy, sdy, caky, chd

Bit No. 1
W.M. 62CF

Drilling with
Air and Mist

1400

SS - wh, vf -fg, ang, cly-fl'd, tite;
Tr Marl - brn, petrol

1500

Sh - lt-md gy, hd, blk

1600

GREEN RIVER FM 1603'

Sh - lt-md gy, sli calc, hd, blk

Ls - tn, mic

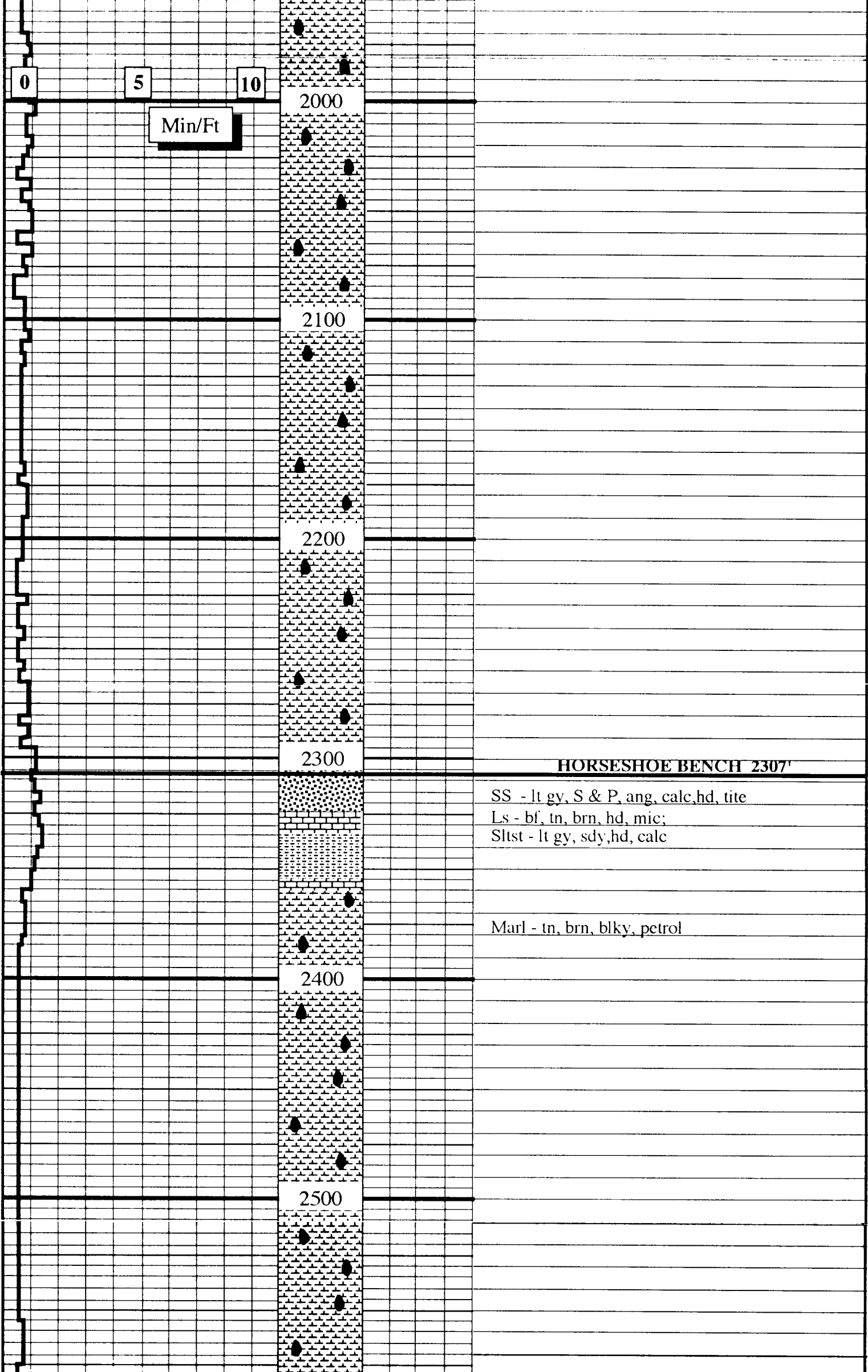
Marl - md gy, tn, brn, petrol
Tr Ls - tn, mic

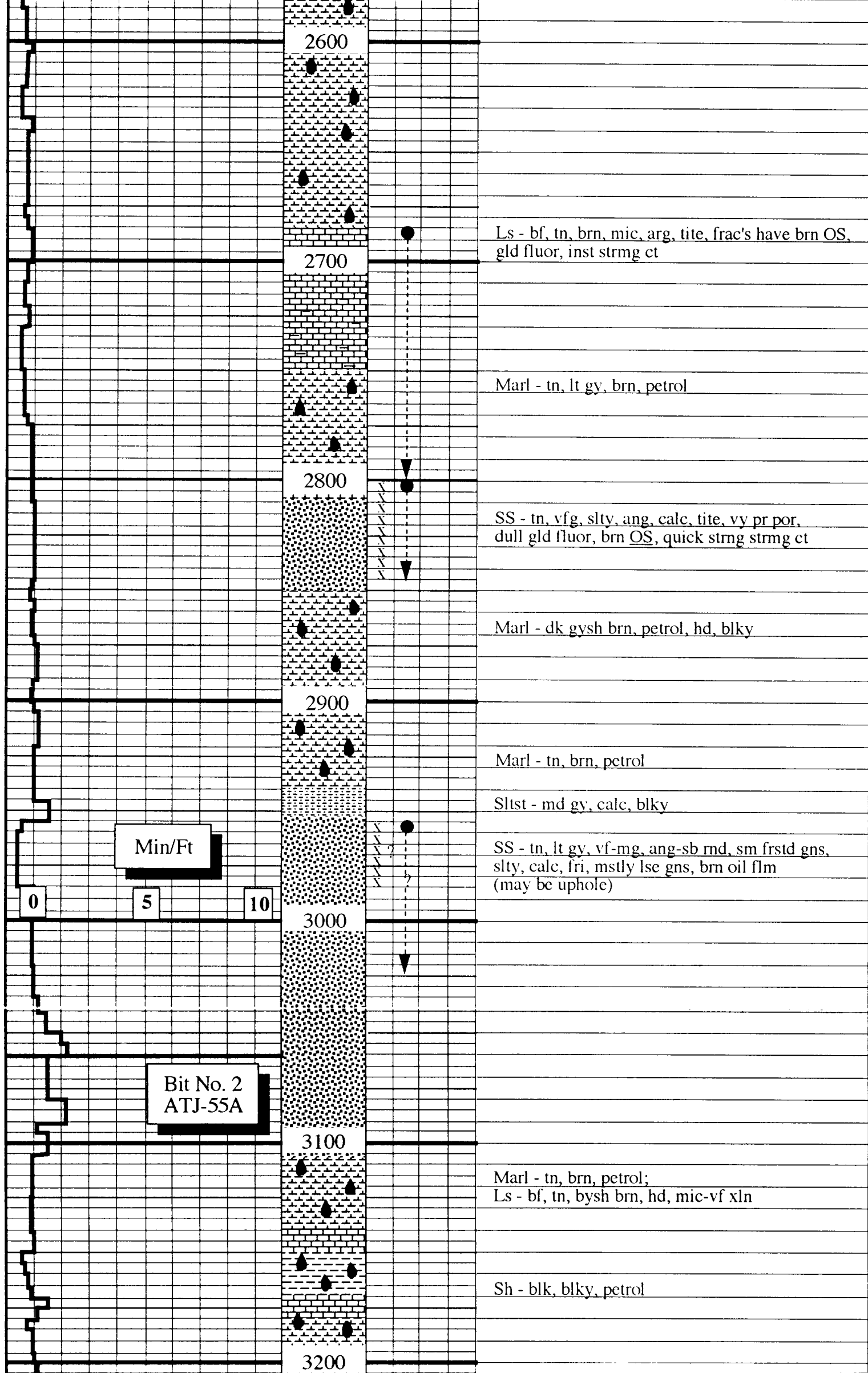
1700

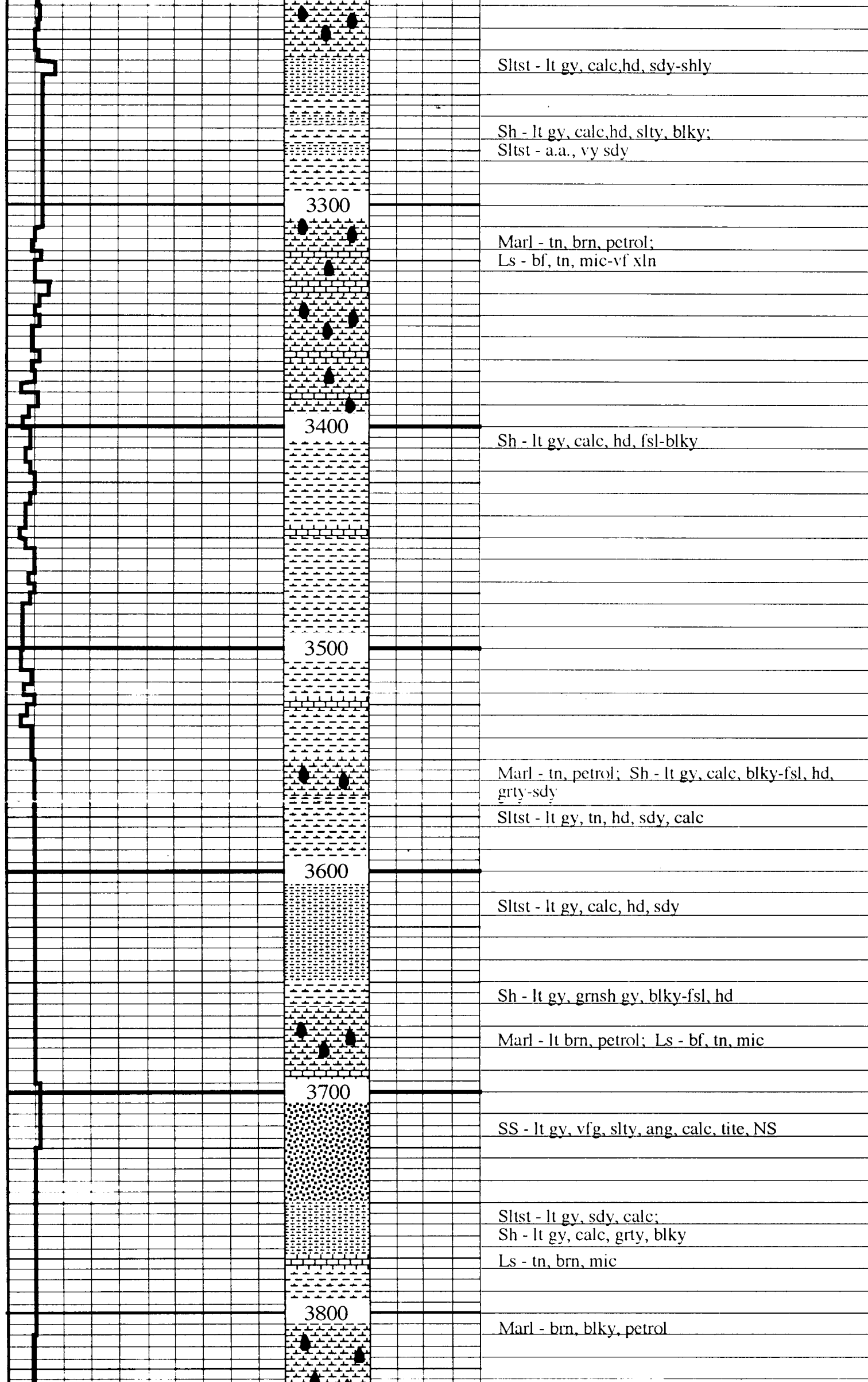
Marl - tn, brn, hd, petrol

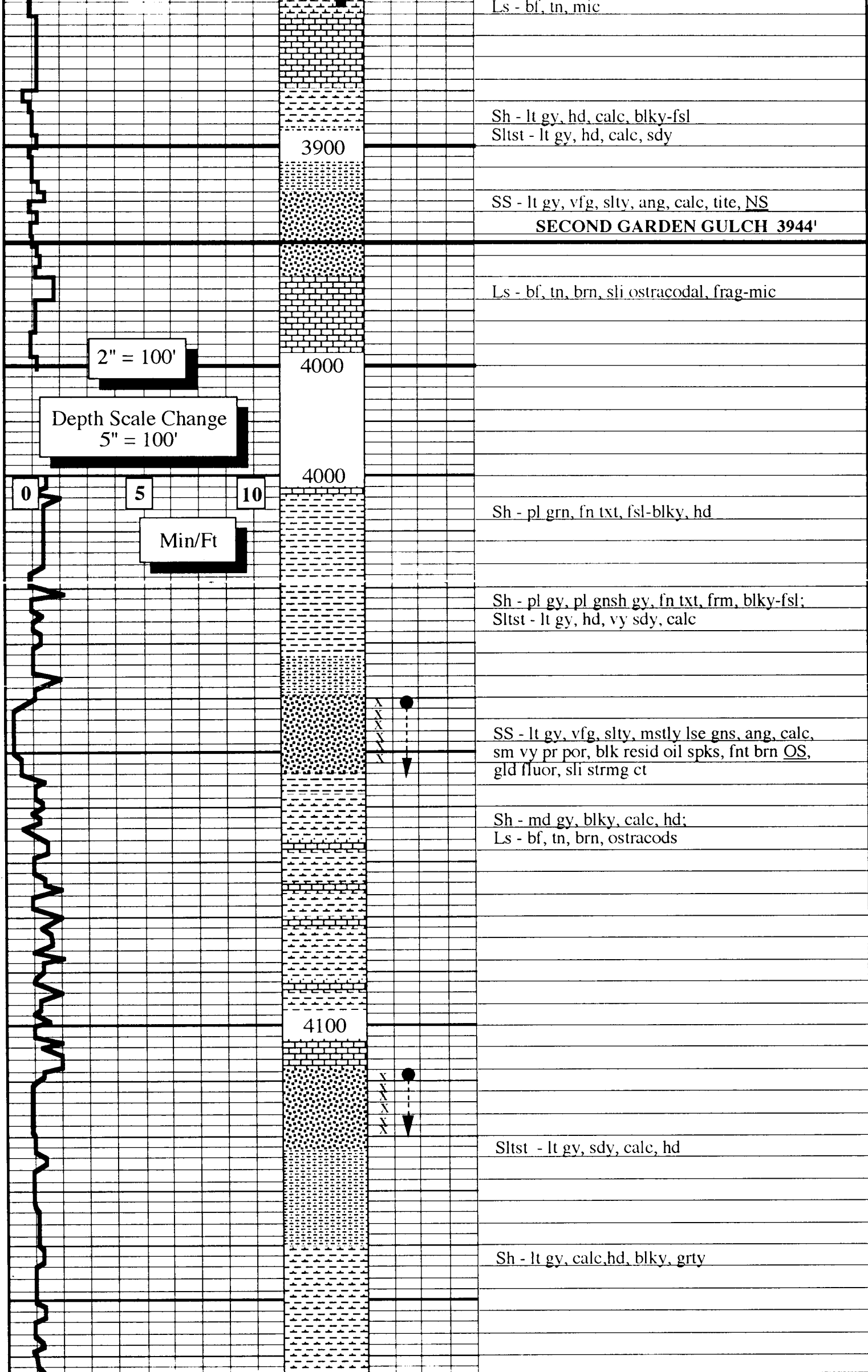
1800

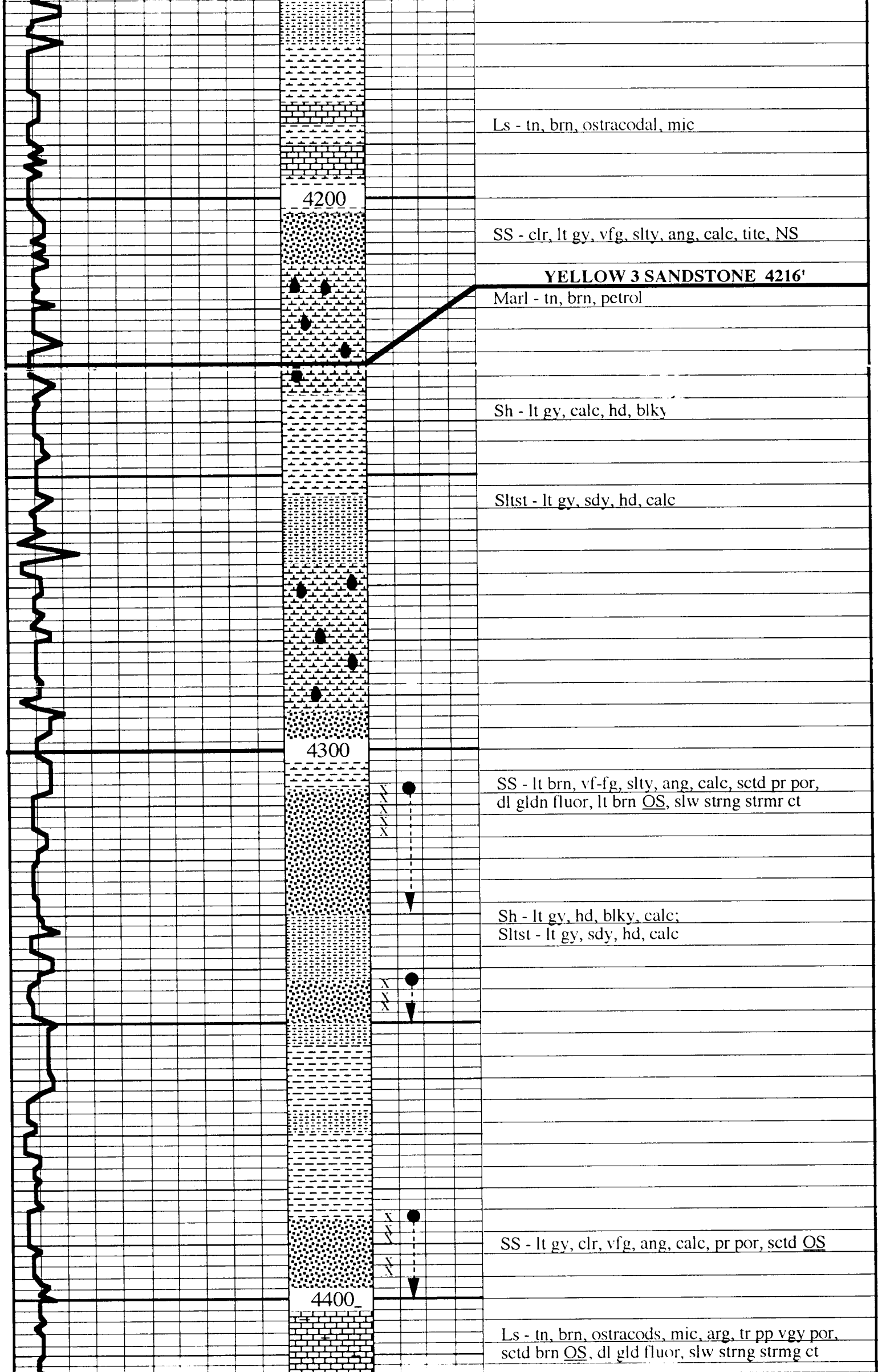
1900

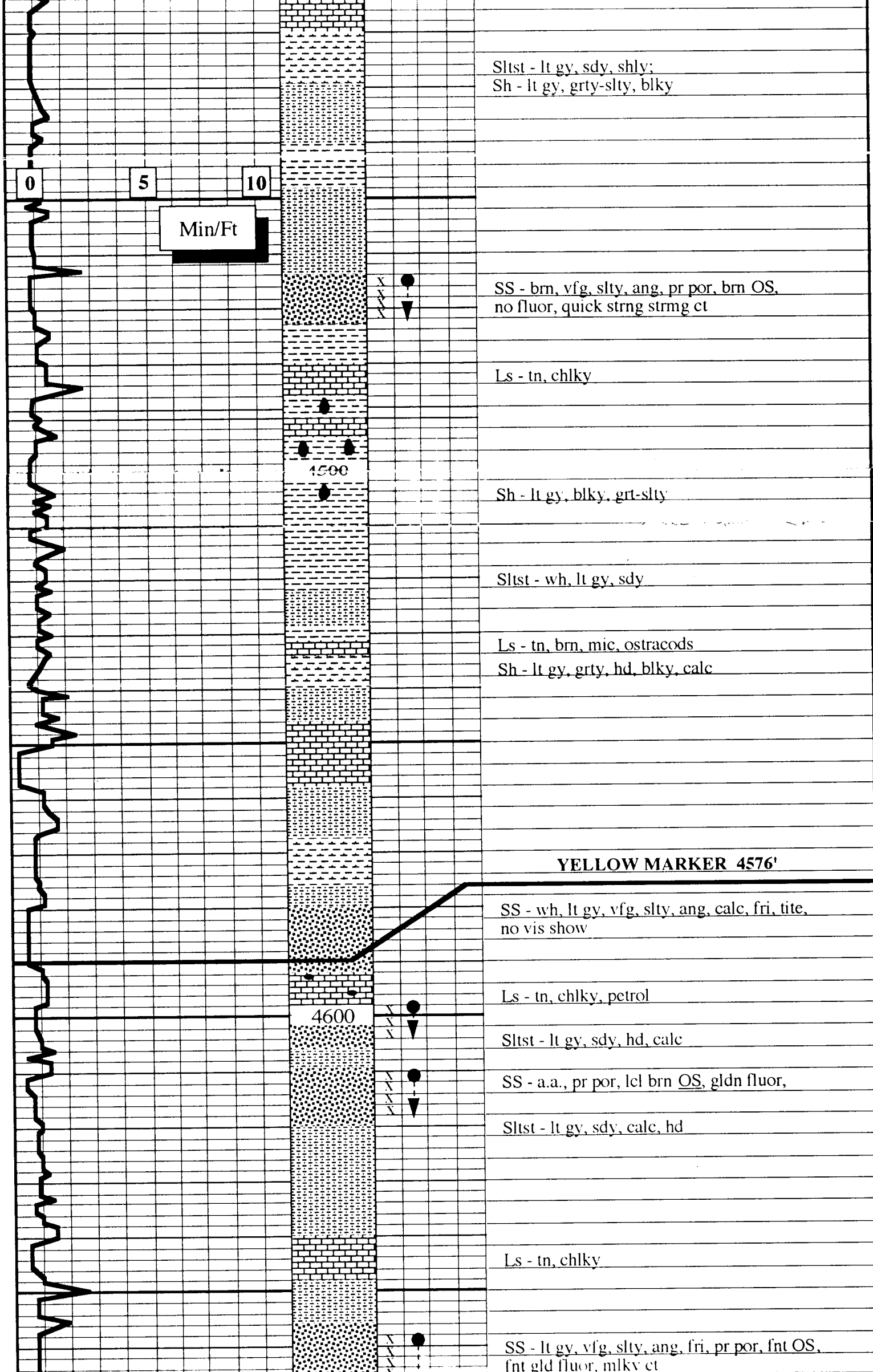


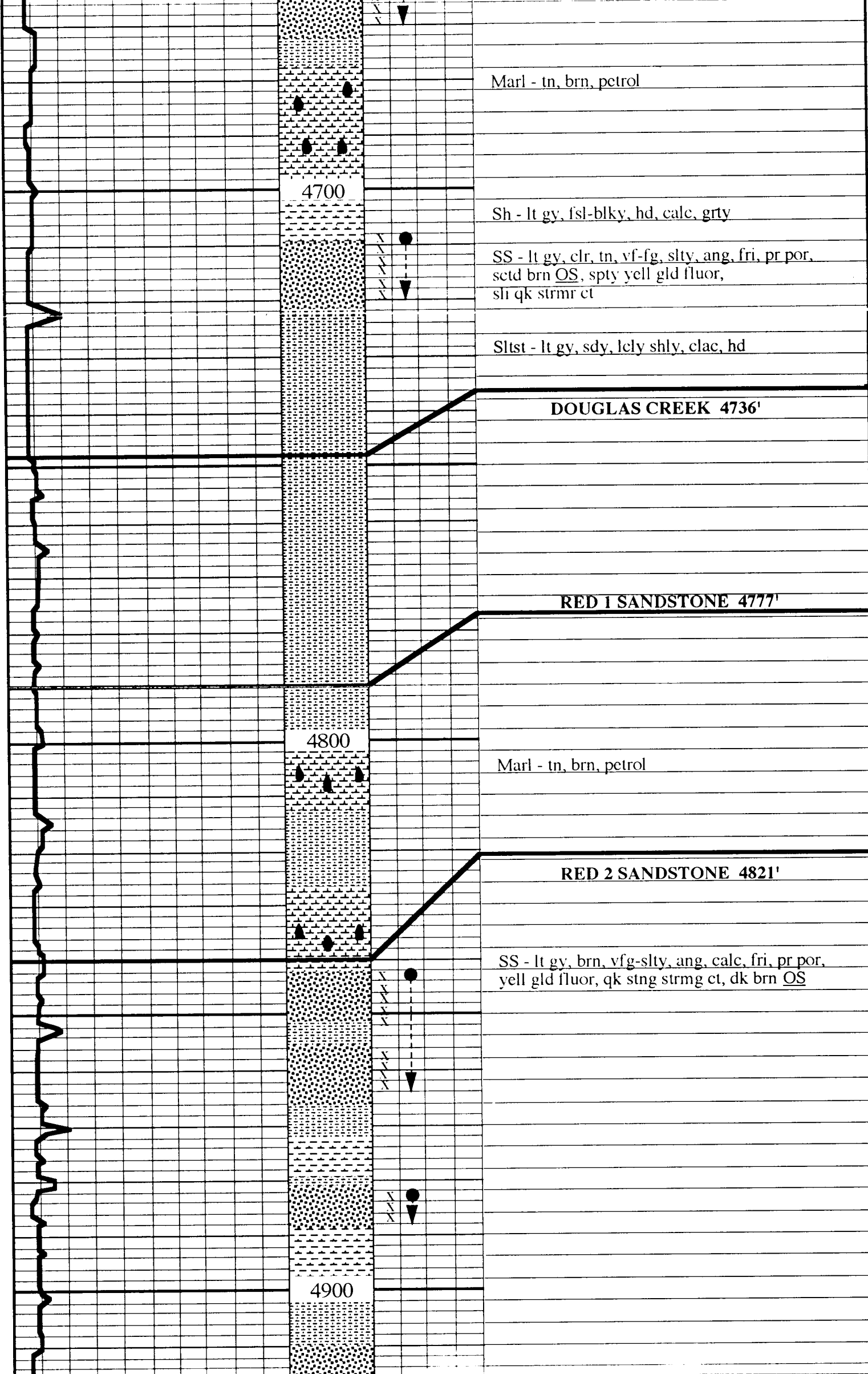


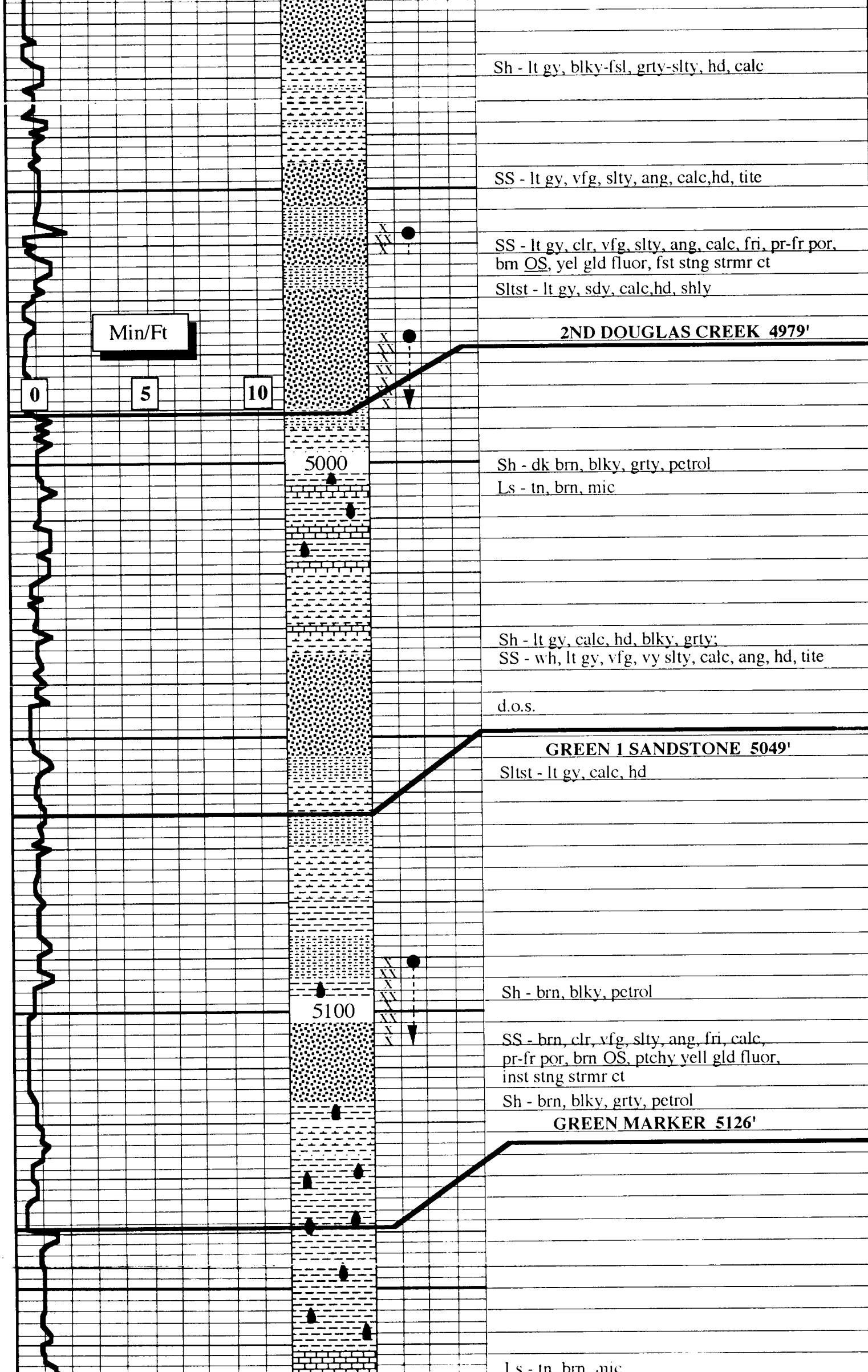


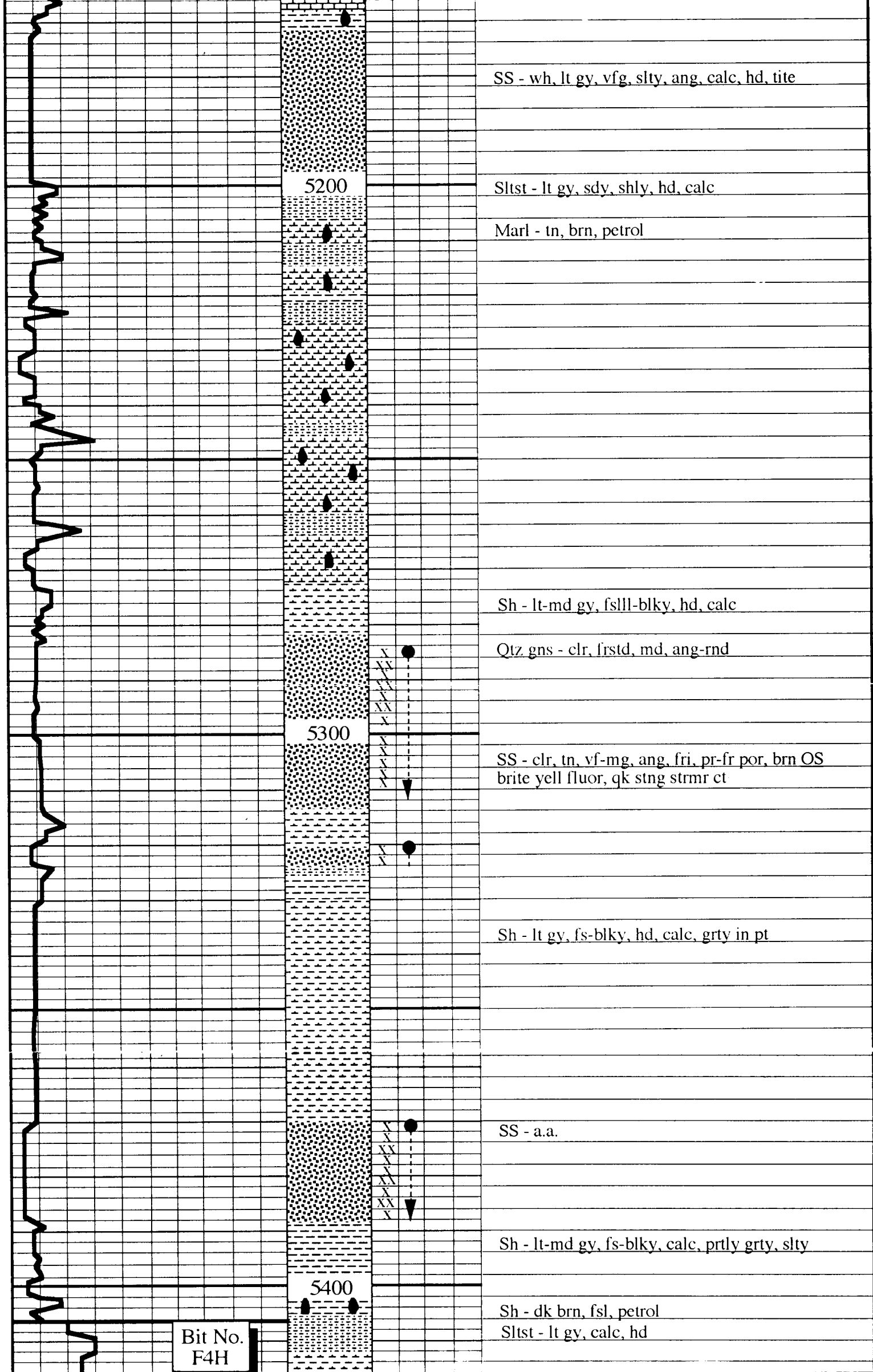












Drilling with
KCL Water

Min/Ft

0

5

10

5500

5600

Sh - lt-md gy, blk-y-fsl, hd, calc, prtly grty,
lcl py

Ls - bf, tn, brn, mic

Sh - md-dk gy, grty, blk-y-fsl, carb, calc,
petrol

Sh - dk brn, dk gy, blk, slky-fsl, grty, carb,
calc, petrol, hd

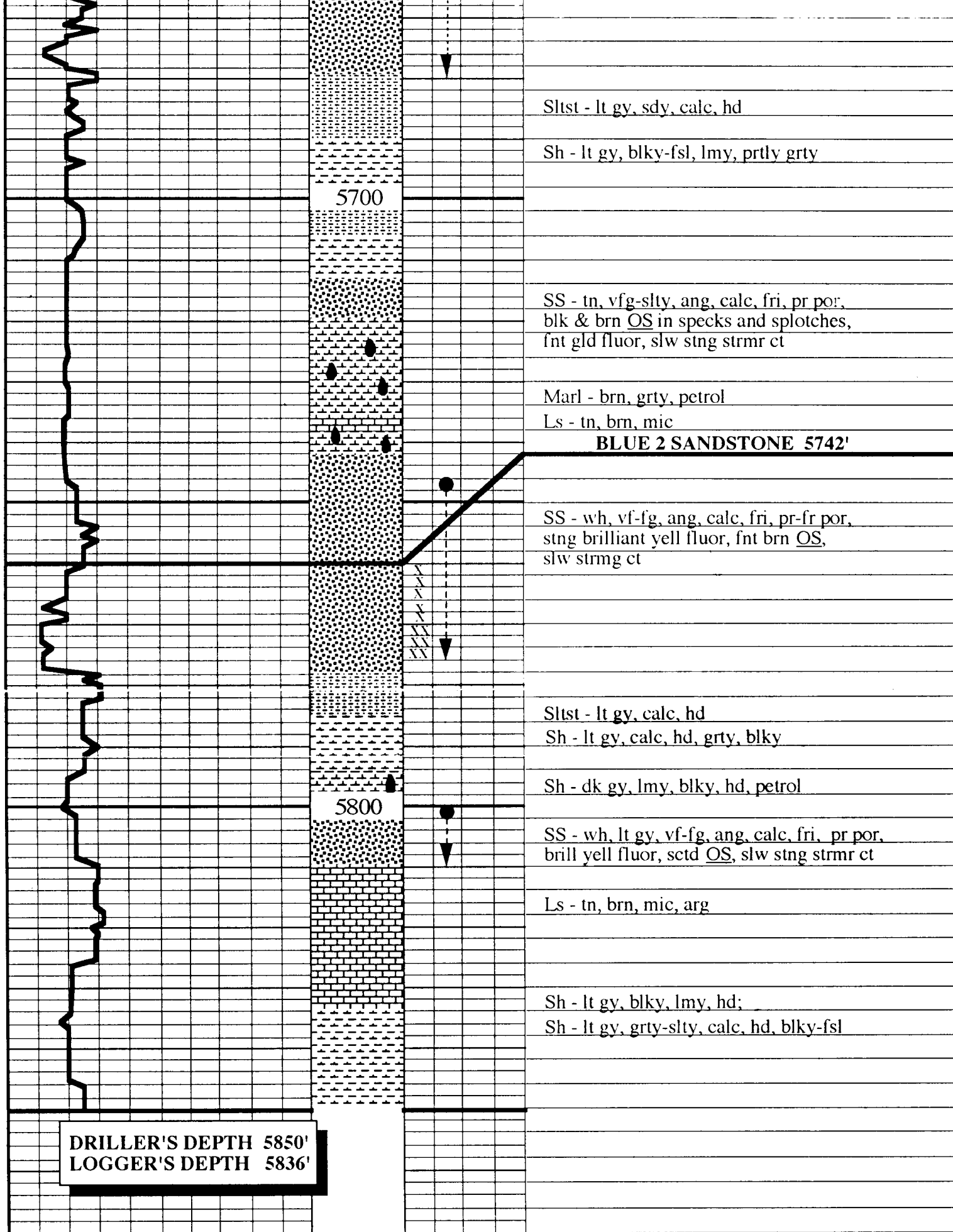
Sh - md-dk brn, dk gy, blk-y, lmpy, grty,
carb, calc, petrol

Sh - dk gy, dk brn, blk, fsl-blky, hd, grty,
calc, carb, petrol

CARBONATE MARKER 5588'

Ls - bf, tn, brn, mic

SS - wh, brn, vfg, slty, calc-clt fld, ang, tite,
brn OS, yel gld fluor, qk stng strmg ct



BALCRON MONUMENT FEDERAL #12-12J Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-19-93 Completion

CP - 10 psi, TP - 10 psi. TOOH w/tbg, packer & BP. RIH
w/production string:

	Length	Depth KB
1 jt tbg 2-7/8" EUE J-55 8rd 6.5#	31.30	5309.88'
1 perf sub 2-7/8" x 3'	3.20	5278.58'
1 seat nipple	1.10	5275.38'
171 jt 2-7/8" EUE J-55 8rd 6.5#	5264.28	5274.28'
KB	10.00	

ND BOP, NU wellhead. TIH w/production rod string: 1 BHP 2-1/2" x 1-1/2" x 16' RWAX w/PA plunger (Trico), 209 3/4" x 25' plain rods, one 3/4" x 8' pony; one 3/4" x 4' pony; one 1-1/4" x 22' polish rod SM. Clamp rods off. Pressure test to 1000# - OK. SWI.

DC: \$1,742

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-19-93 Completion

MIRU Cannon Well Service Rig #2. RU csg tools to lower 5-1/2" csg.
SDFN.

DC: \$206

11-20-93 Completion

Pulled 120,000# on 5-1/2" csg, could not pull out of slips. Cut 5-1/2" csg & weld bell nipple on. NU flange, NU BOP. TIH w/5-1/2" csg scraper, bit & 185 jts 2-7/8" tbg. Tag PBTD @ 5764' KB. Circ hole clean w/130 bbls 2% KCL wtr. Pressure test csg & BOP to 1000 psi - OK. TOOH w/tbg scraper & bit. SWI.

DC: \$16,603

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/23/93

****JONAH UNIT PARTNERS' REPORT****

BALCRON MONUMENT FEDERAL #21-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

11-23-93 Present Operation: Well plugged.
Finish plugging well, cmt plug 0-50' @ surface. ND BOP, clean mud tank & rig down. Last plug down @ 6:30 a.m. 11-22-93, release rig 10:30 a.m. 11-22-93.
DC: \$9,862 CC: \$135,259

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-22-93 Completion
RU Schlumberger to perf 5081'-86' (1 SPF) & 5292'-96 (2 SPF). TIH w/5-1/2" RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 163 jts 2-7/8" tbg, set BP @ 5110' KB, set packer 5026' KB. RU Western to do KCL break down on perfs 5081'-86' (5 holes) refer to treatment report. Pressure test surface equipment to 3800 psi - OK. Move BP to 5341' KB & set packer 5242' KB. Pressure up to 4000 psi - no break. RU acid tankre spot 500 gals 15% HCL on perfs, pull up & set packer @ 5142' KB. Start pumping acid refer to treatment report. SWIFN.
DC: \$11,463



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Birmingham, AL 35204-1017

TREATMENT REPORT

Date of Treatment : 11-22-93

Well Name Monument Fed. 42-15 SEC. 1 TWN. 9S RNG. 16E
Field Monument Butte County Duchene State Utah

Formation/Perforations: Green River / 5292-96

Treatment type: 2% HCL Break Down Total Number of Holes: 8

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
Gal.				
Gal.				
Gal.				
Gal.			1	#
Gal.			1	#
Gal.			1	#
Gal.			1	#
Gal.			1	#
Gal.			1	#
Gal.			1	#
Gal.			1	#

TOTAL FLUID PUMPED: 500 gal. 15% HCL Acid
gal. fluid

TOTAL SAND VOL. : lbs. 1 sand
lbs. 1 sand
lbs. 1 sand
lbs. 1 bauxite

Flushed well with 1470 gal. of 2% HCL WATER
16 ball sealers were pumped. Was ball action seen? YES
Barrels of Load to Recover 39.2 BLR.
Avg. Treating Pressure = 1700 psi, max = 4400 psi, min = 1200 psi.
Avg. Treating Rate = 4.2 bpm, max = 4.2 bpm, min = 4.2 bpm.
ISIP = 1200 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.
Well will be shut in for _____ hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 1200 PSI AT 2.0 BPM, BACK TO 1400 PSI AT 4.2 BPM
SURGE BALLS OFF, PUMP FOR RATE, 5.0 BPM AT 2000 PSI,
4.2 BPM PRESS. INCREASED FROM 1400 PSI TO 1800 PSI w/ 10 BOW.

Dale Griffin



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1001 Lehigh Avenue
P.O. Box 31017
Birmingham, AL 35202-0117

TREATMENT REPORT

Well Name Monument Rd. 42-1 J Date of Treatment: 11-22-93
Field Monument Butte SEC. 1 TWN. 9S RNG. 16E
County DeKalb State Utah
Formation/Perforations: Green River / 5081-86

Treatment type: KCL Break Down Total Number of Holes: 5

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
Gal.				
Gal.				
Gal.				
Gal.			/	#
Gal.			/	#
Gal.			/	#
Gal.			/	#
Gal.			/	#
Gal.			/	#
Gal.			/	#
Gal.			/	#
Gal.			/	#

TOTAL FLUID PUMPED: _____ gal. _____ % _____ Acid
fluid

TOTAL SAND VOL.: _____ lbs. _____ sand
_____ lbs. _____ sand
_____ lbs. _____ sand
_____ lbs. _____ bauxite

Flushed well with _____ gal. of 2% KCL water
10 ball sealers were pumped. Was ball action seen? III yes
Barrels of Load to Recover 48 BLR.
Avg. Treating Pressure = 2000 psi, max = 2200 psi, min = 1800 psi.
Avg. Treating Rate = 4.0 bpm, max = 4.8 bpm, min = 3.3 bpm.
ISIP = 1700 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.
Well will be shut in for _____ hrs. before bringing back fluid.

REMARKS: INITIAL BREAK AT 1600 PSI AT 1.5 BPM, BACK TO 1800 PSI AT 4.0 BPM
SURGE BREAKS OFF, PUMP FOR 30 SECS AT 4.2 BPM AT 2000 PSI

Balcron Oil

DAILY OPERATING REPORT

DATE: 11/24/93

****JONAH UNIT PARTNER'S REPORT******BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-23-93 Completion

Csg @ 0 psi, tbg @ 0 psi. TOOH w/tbg, SN, pkr, 1 jt. tbg & retrieving head. RU Western to frac. 5081'-86', 5292'-96'. Press. test surface equipment to 4000 psi, ok. See Treatment Report attached. SWIFD.

DC: \$23,185

BALCRON MONUMENT FEDERAL #14-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

10-25-93 Start location.

10-29-93 Finish location.

11-3-93 Move Leon Ross on & spud @ 11:00 AM. Rig broke down.

11-5-93 Finish surface hole.
DC: \$23,513 CC: \$23,513

11-6-93 Run 6 jts 8-5/8", 24# csg & cement.

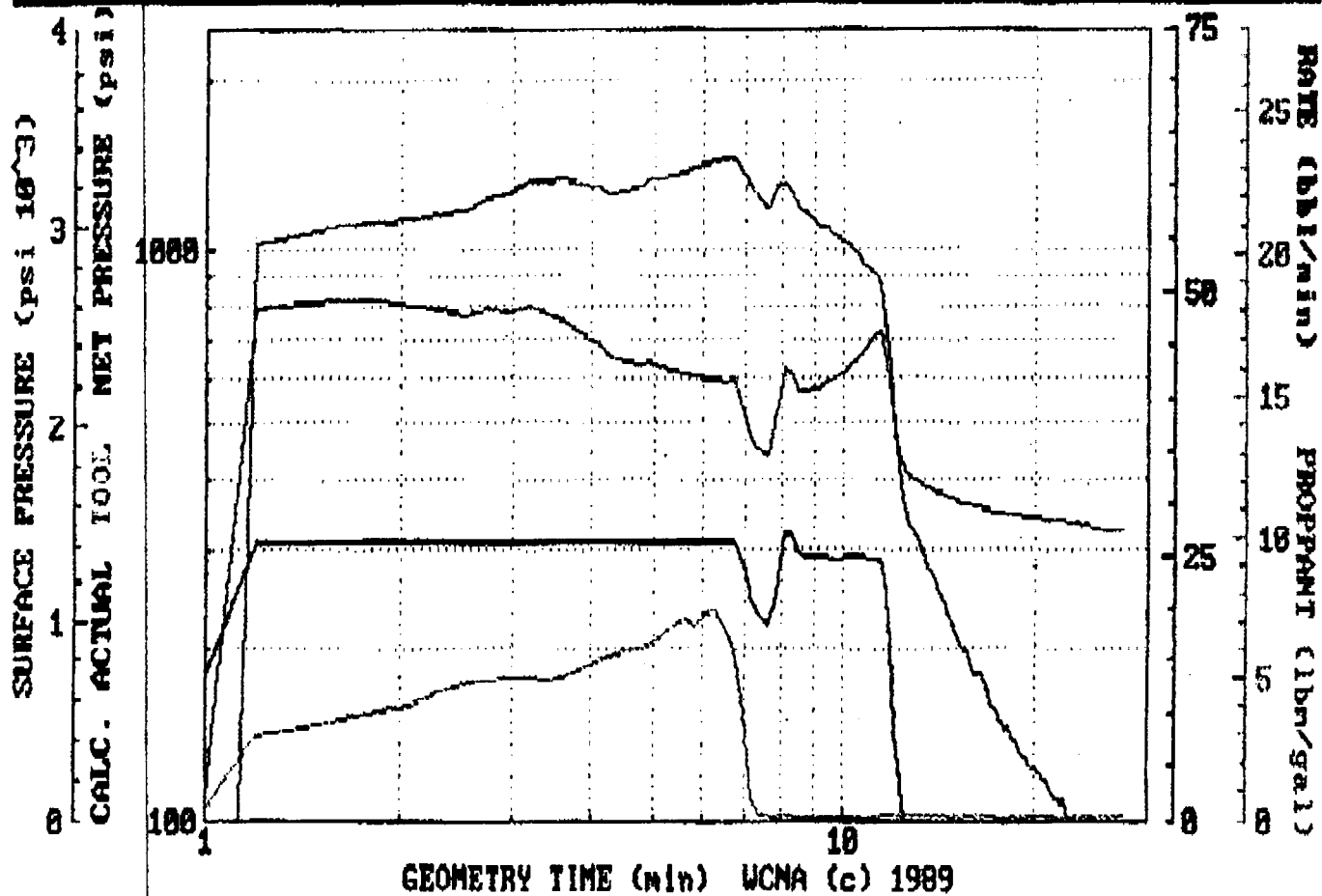
Guide Shoe	.60	
1 jt 8-5/8", 24# Shoe jt		45.06
Stop Ring	.00	
5 jts 8-5/8", 24#, J-55 csg		<u>225.51</u>
	271.17'	

Set @ 269' G.L.

Union KB @ 279'

Cement by Halliburton with 150 sx class "G" with 2% CCL, 1/4# per sk flocele. Good returns, 4 bbls cement back to pit. Plug down 12:30 PM.
DC: \$4,080 CC: \$27,593

11-24-93 TD: 590' (590') Day 1
Formation: Uintah
MW 8.4 VIS 26 ph Mist
Present Operation: Drilling
Move In & RU. NU, test BOP & manifold to 2000#, OK.
Test surface pipe to 1500#, OK. PU collars & drill cement, survey, drill.
DC: \$4,918 CC: \$32,511





**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1401 Lewis Avenue
P.O. Box 21017
Birmingham, AL 35201-0117

TREATMENT REPORT

Well Name Monument Fed. 42-1 J Date of Treatment: 11-23-93
Field Monument Butte County Duchene SEC. 1 TWN. 9S RNG. 16E
State Utah
Formation/Perforations: Green River / 5081-86, 5292-96

Treatment type: SAND FRAC. Total Number of Holes: 13

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
Gal.				
Gal.		PSI	BPM	
<u>4000</u>	<u>2% KCL WATER</u>	<u>2400</u>	<u>25.4</u>	
<u>1000</u>	<u>"</u>	<u>2#</u>	<u>23.50</u>	<u>20140</u>
<u>1000</u>	<u>"</u>	<u>3#</u>	<u>25.70</u>	<u>20140</u>
<u>1000</u>	<u>"</u>	<u>4#</u>	<u>26.10</u>	<u>20140</u>
<u>1200</u>	<u>"</u>	<u>5#</u>	<u>25.50</u>	<u>20140</u>
<u>850</u>	<u>"</u>	<u>6#</u>	<u>23.50</u>	<u>16130</u>
<u>1000</u>	<u>"</u>	<u>7#</u>	<u>22.80</u>	<u>16130</u>
<u>4620</u>	<u>" FLUSH</u>	<u>0</u>	<u>24.80</u>	<u>25.4</u>
Gal.				

TOTAL FLUID PUMPED: _____ gal. _____ %
_____ gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 15000 lbs. 20140 sand
12100 lbs. 16130 sand
_____ lbs. _____ sand
_____ lbs. _____ bauxite

Flushed well with 4620 gal. of 2% KCL WATER

_____ ball sealers were pumped. Was ball action seen? _____

Barrels of Load to Recover 403 BUR.

Avg. Treating Pressure = 2480 psi, max = 2610 psi, min = 2280 psi

Avg. Treating Rate = 25.0 bpm, max = 26.5 bpm, min = 24.9 bpm

ISIP = 1780 psi, 5 min. = 1560 psi, 10 min. = 1520 psi, 15 min. = 1470 psi

Well will be shut in for 2.3 hrs. before bringing back fluid.

REMARKS: _____

Page 1 of 3

Balcron Oil **DAILY OPERATING REPORT**

DATE: 11/29/93

****JONAH UNIT PARTNERS' DAILY REPORT****

BALCRON MONUMENT FEDERAL #14-5J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 5, T9S, R17E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

11-26-93 Completion

Surface equipment hook up & pit reclamation.

Start pumping @ 12:00 noon; 6-1/2 SPM, 87" stroke length.

DC: \$30,275

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-24-93 Completion

Thaw BOP & csg head. TIH w/170 jts 2-7/8" tbg, tag sand @ 5136' KB. Circ down to 5338 KB, set packer @ 5012' KB. EOT 5060' KB. Make 15 swab runs, recovered 90 BW, trace of oil. Release packer, tag sand @ 5330', circ down # 5341' (BP), release BP, reset BP @ 4970' KB. TOOH w/tbg & tools. SWI.

DC: \$1,962

BALCRON MONUMENT FEDERAL #31-7J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte Field

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

10-14/27-93 Work on & finish location.

10-29-93 MI Leon Ross Air Drilling & drill 12-1/4" hole to 150'.

11-1-93 Finish drilling 12-1/4" surface hole to 270'.

11-2-93

Guide Shoe

.60'

1 jts 8-5/8" 24# shoe jt

44.94'

Insert Float

5 jts 8-5/8" 24# J-55 csg

225.86

Set at

269' GL

Molen KB (13')

282' KB 3 centralizers

Cmt by Western w/150 sxs "G" + 2% CCL & 1/4#/sx celoflakes. Good returns, 5 bbls cmt back to pit. Plug down @ 12:00 noon 11-2-93.

DC: \$11,266

CC: \$37,869



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1001 Lewis Avenue
P.O. Box 21012
Birmingham, AL 35204-1012

TREATMENT REPORT

Date of Treatment: 11-29-93

Well Name Monument Fed. 42-1 J SEC. 1 TWN. 9 S RNG. 16 E
Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 4779-82 2 SPF

Treatment type: KCL Break Down Total Number of Holes: 6

Volume	Fluid	Conc.	Sand Characteristics	
			Size	Volume
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #
_____ Gal.	_____	_____	_____	_____ #

TOTAL FLUID PUMPED: _____ gal. _____ %
_____ gal. _____

TOTAL SAND VOL.: _____ lbs. _____ sand
_____ lbs. _____ sand
_____ lbs. _____ sand
_____ lbs. _____ bauxite

Flushed well with _____ gal. of 2% KCL WATER
12 ball sealers were pumped. Was ball action seen? YES Ball off
Barrels of Load to Recover 46 BJTR.

Avg. Treating Pressure = _____ psi, max = _____ psi, min = _____ psi.
Avg. Treating Rate = _____ bpm, max = _____ bpm, min = _____ bpm.
ISIP = 1500 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.
Well will be shut in for 18 hrs. before bringing back fluid.

REMARKS: initial Break at 2000 PSI at 1.5 BPM Back to 1950 PSI at 3.5 BPM
Surge Balls Back. Jump for Rate 4.4 BPM at 2500 PSI.

Page 1 of 3

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/30/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #31-7J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte Field

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

11-30-93 TD: 3,461' (831') Day 4
Formation: Green River
MW 8.3 VIS 26
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$10,892 CC: \$80,527

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-29-93 Completion
RU Schlumberger to perf 4779'-82' (2 SPF) & 4935'-38' (2 SPF). RD Schlumberger. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN, 156 jts 2-7/8" tbg. Set packer @ 4670' KB. RU Western to do KCL break down refer to treatment report. Reset BP @ 4815' KB. Set packer @ 4715' KB. RU Western to do KCL break down on perfs 4779'-82' refer to treatment report. Release packer, retrieve BP, reset BP @ 5001' KB, TOOH w/tbg, packer & retrieving head. SWIFN.
DC: \$7,991

BALCRON MONUMENT FEDERAL #14-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

PTD: 5,750' Green River Oil - Dev.

---TIGHT HOLE---

11-30-93 TD: 5,620' (333') Day 7
Formation: Blue Zone
MW 8.3 VIS 26
Present Operation: Drilling
Drill, clean rig load hole & circ. Trip for bit & drill ahead.
DC: \$5,311 CC: \$101,412



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017

TREATMENT REPORT

Date of Treatment: 11-30-93

Well Name Monument Fed. 42-1 J SEC. 1 TWN. 9.5 RNG. 16E
Field Monument Butte County Duckhorn State Utah

Formation/Perforations: Green River / 4779-82, 4935-38

Treatment type: Land frac. Total Number of Holes: 12
western

Sand Characteristics

Volume	Fluid	Conc.	Size		Volume
Gal.					
Gal.			PSI	BPM	
<u>2500</u> Gal.	<u>2% KCL WATER</u>	<u>0</u>	<u>2500</u>	<u>24.3</u>	
<u>300</u> Gal.	<u>"</u>	<u>2 #</u>	<u>2540</u>	<u>24.3</u>	<u>16130</u> <u>600</u> #
<u>300</u> Gal.	<u>"</u>	<u>3 #</u>	<u>2550</u>	<u>24.4</u>	<u>16130</u> <u>900</u> #
<u>500</u> Gal.	<u>"</u>	<u>4 #</u>	<u>2550</u>	<u>24.3</u>	<u>16130</u> <u>2000</u> #
<u>700</u> Gal.	<u>"</u>	<u>5 #</u>	<u>2560</u>	<u>24.4</u>	<u>16130</u> <u>3500</u> #
<u>800</u> Gal.	<u>"</u>	<u>6 #</u>	<u>2800</u>	<u>24.3</u>	<u>16130</u> <u>4800</u> #
<u>900</u> Gal.	<u>"</u>	<u>7 #</u>	<u>3000</u>	<u>18.6</u>	<u>16130</u> <u>6300</u> #
<u>4500</u> Gal.	<u>FLUSH</u>	<u>0</u>	<u>2800</u>	<u>16.2</u>	<u>1</u> #
Gal.					#

TOTAL FLUID PUMPED: gal. % Acid fluid

TOTAL SAND VOL.: 18100 lbs. 16130 sand
 lbs. sand
 lbs. sand
 lbs. bauxite

Flushed well with 4500 gal. of 2% KCL WATER
 ball sealers were pumped. Was ball action seen?

Barrels of Load to Recover 2.1 BUR.

Avg. Treating Pressure = 2550 psi, max = 3000 psi, min = 2540 psi.
 Avg. Treating Rate = 1710 bpm, max = 24.4 bpm, min = 16.2 bpm.
 ISIP = 1850 psi, 5 min. = 1680 psi, 10 min. = 1600 psi, 15 min. = 1480 psi.

Well will be shut in for 23 hrs. before bringing back fluid.REMARKS: press. test surface Equip. 4000 PSI OK

Balcron Oil

DAILY OPERATING REPORT

DATE: 12/1/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-30-93 Completion

RU Western to frac 4779'-82' & 4935'-38 see treatment report. RD Western. SWIFN.

DC: \$19,769

BALCRON MONUMENT FEDERAL #23-15

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 15, T9S, R16E

Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

11-30-93 Completion

Start unit pumping @ 12:10 p.m. 5 SPM & 77" stroke.

DC: \$31,320

BALCRON MONUMENT FEDERAL #14-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E

Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

PTD: 5,750' Green River Oil - Dev.

---TIGHT HOLE---

12-1-93 TD: 5,750' (130') Day 8

Formation: Green River

MW 8.4 VIS 26

Present Operation: Pressure test pipe rams

Drill, circ for logs, TOH, log well by Schlumberger, LD drill pipe & collars. Change 4-1/2" pipe rams to 5-1/2" csg rams & test.

DC: \$17,836

CC: \$119,248

BALCRON MONUMENT FEDERAL #31-7J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NW NE Section 7, T9S, R17E

Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte Field

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

12-1-93 TD: 4,028' (567') Day 5

Formation: Yellow Zone

MW 8.4 VIS 26

Present Operation: Drilling

Drill, survey, trip for hole in pipe 30 stds down. Drill ahead.

DC: \$10,199

CC: \$90,726

Balcron Oil DAILY OPERATING REPORT

DATE: 12/2/93

****JONAH UNIT PARTNERS' DAILY REPORT****BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

12-1-93 Well spud @ 1:00 p.m. by Leon Ross Air Drilling

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-1-93 Completion

CP - 80 psi. Bleed well down. TIH w/retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 148 jts 2-7/8" tbg. Tag sand @ 4634' KB. Circ down to 4995' KB. Pull up & set packer @ 4750' KB. Made 14 swab runs, recovered 84 BF, fluid level @ 3600'. Last 3 runs 2% oil, small amount of gas, no sand. Release packer, tag sand @ 4960' KB, circ down to 5001' (BP), release BP & TOOH w/tbg, SN, packer, 1 jt tbg, retrieving head & BP. SWIFN.
DC: \$1,630

BALCRON MONUMENT FEDERAL #14-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

12-2-93 TD: 5,750' (0') Day 9

Formation: Green River

Present Operation: Repair brakes

Test 5-1/2" pipe rams, run 5-1/2" csg & cmt by Halliburton as follows:

Guide Shoe .60'

1 jt 5-1/2" 15.5# shoe jt 43.53'

Float collar 1.85'

130 jts 5-1/2" 15.5# K-55 csg 5672.19'

5718.17'

Landing jt 9.00'

Set @ 5727.17

PBTD: 5681.28'

Cmt'd by Halliburton w/220 sxs lead cmt & tail w/260 sxs 50-50 POZ.

Plug down @ 12:45 p.m. 12-1-93. Release rig @ 4:45 p.m. 12-1-93.

ND BOP, clean mud tank & rig down.

DC: \$58,584

CC: \$177,832

Balcron Oil DAILY OPERATING REPORT

DATE: 12/3/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-2-93

Completion

CP - 0. TIH w/production string as follows:

	<u>Length</u>	<u>Depth KB</u>
1 jt 2-7/8" tbg, EUE J-55, 8RD, 6.5#	31.65'	5367.60'
1 Perf sub 2-7/8" x 3'	3.20'	5335.95'
1 seating nipple	1.10'	5332.75'
171 jts 2-7/8" EUE, J-55, 8RD, 6.5#	5321.65'	5331.65'
Union Drilling KB	10.00	
ND BOP, NU wellhead. TIH w/BHP 2-1/2" x 1-1/2" RWAC w/PA plunger;		
212 3/4" x 25' plain rods D-61; one 3/4" x 8' pony; one 1-1/4" x		
22' polish rod SM. Clamp rod off. RDMO.		
DC: \$9,053'		

BALCRON MONUMENT FEDERAL #24-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

10-25/31-92 Work on and finish location.

11-8-93 MIRU Leon Ross Drilling & start, break down.

11-9-93 Drill 12-1/4" hole to 275'.

11-10-93 Run 6 jts 8-5/8" csg & cmt as follows:

Guide Shoe	.60'
1 jt 8-5/8" 24# shoe jt	45.11'
Insert	----
5 jts 8-5/8"	225.57'

271.28'

Csg set @ 269' GL

Union Drilling KB (10') 279' KB

Cmt by Dowell w/150 sxs "G" + 2% CCL & 1/4#/sx Celoflakes. Good returns, approximately 8 bbls to pit. Plug down @ 11 a.m. 11-10-93.

DC: \$4,210

CC: \$26,878

12-3-93 Couldn't get trucks, work on rig, replace brake pads on hoisting drum. Moving now.

DC: \$400

CC: \$27,278

Page 1 of 4

Balcron Oil
DAILY OPERATING REPORT

DATE: 12/14/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #42-1J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-11-93 Completion

Start well pumping, 5 SPM, 82" stroke length. American D-228, S/N D228-G-3837 (KARST), Engine Ajax E-42, S/N 69880 (KARST).

DC: \$16,223

BALCRON MONUMENT FEDERAL #24-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE SW Section 12, T9S, R16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

12-11-93 Completion

MIRU Cannon Well Service Rig #1. NU wellhead, NU BOP. SDFD.

DC: \$1,273

12-13-93 Completion

TIH w/4-3/4" bit, 5-1/2" scraper & 181 jts 2-7/8" tbg, tag PSTD @ 5634' KB, circ hole clean w/125 bbls 2% KCL wtr. Pressure test csg & BOP to 1000 psi - OK. TOOH w/tbg & tools. RU Cutter to perf 5476'-85' KB (2 SPF). RD Cutter. TIH w/RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" packer, SN & 176 jts 2-7/8" tbg. Set BP @ 5526' KB, set packer @ 5425' KB, EOT @ 5460' KB. RU Dowell to do HCL break down refer to treatment report. TOOH w/tbg 64 jts. SWIFN.

DC: \$6,541

BALCRON MONUMENT FEDERAL #41-14J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 14, T9S, R16E

Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5,700' Green River Oil - Dev.

12-14-93 TD: 3,624' (849') Day 4

Formation: Green River

MW 8.4 VIS 26

Present Operation: Drilling

TIH, blow hole to btm, get back to drilling, survey & drill ahead.

DC: \$13,030

CC: \$79,853



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

CONFIDENTIAL

December 13, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #42-1J ,
SE NE Section 1, T9S, R16E
Duchesne County, Utah

RECEIVED
DEC 16 1993
DIVISION OF
OIL, GAS & MINING

Enclosed for your records is our sundry reporting first production on the referenced well.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad

Molly M. Conrad
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21-17, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 1, T9S, R16E

2087.2' FNL, 692.4' FEL

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #42-11

9. API Well No.

43-013-31404

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Report of 1st Production
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First production on this well was 12-11-93 at 4:30 p.m.

RECEIVED

DEC 16 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Robbie Schuman

Coordinator of Environmental and
Regulatory Affairs

Date 12-13-93

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

r/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcrun Monument Federal #42-1J

9. API Well No.

43-013-31404

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, BalcrunOil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 1, T5S, R16E 2087.2' ENL, 692.4' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security Diagram
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is our Site Security Diagram for this well.



APR 10 1994

DEPT. OF
ENERGY MINING

14. I hereby certify that the foregoing is true and correct

Signed

Robbie Schuman

Coordinator of Environmental and

Title Regulatory Affairs

Date 1-10-94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Equitable Resources Energy Company Balcron Monument Federal 42-1J Production Facility Diagram

Balcron Monument Federal 42-1J
SE NE Sec. 1, T9S, R16E
Duchesne County, Utah
Federal Lease #U-40652
2087' FNL, 692' FEL

NORTH
←

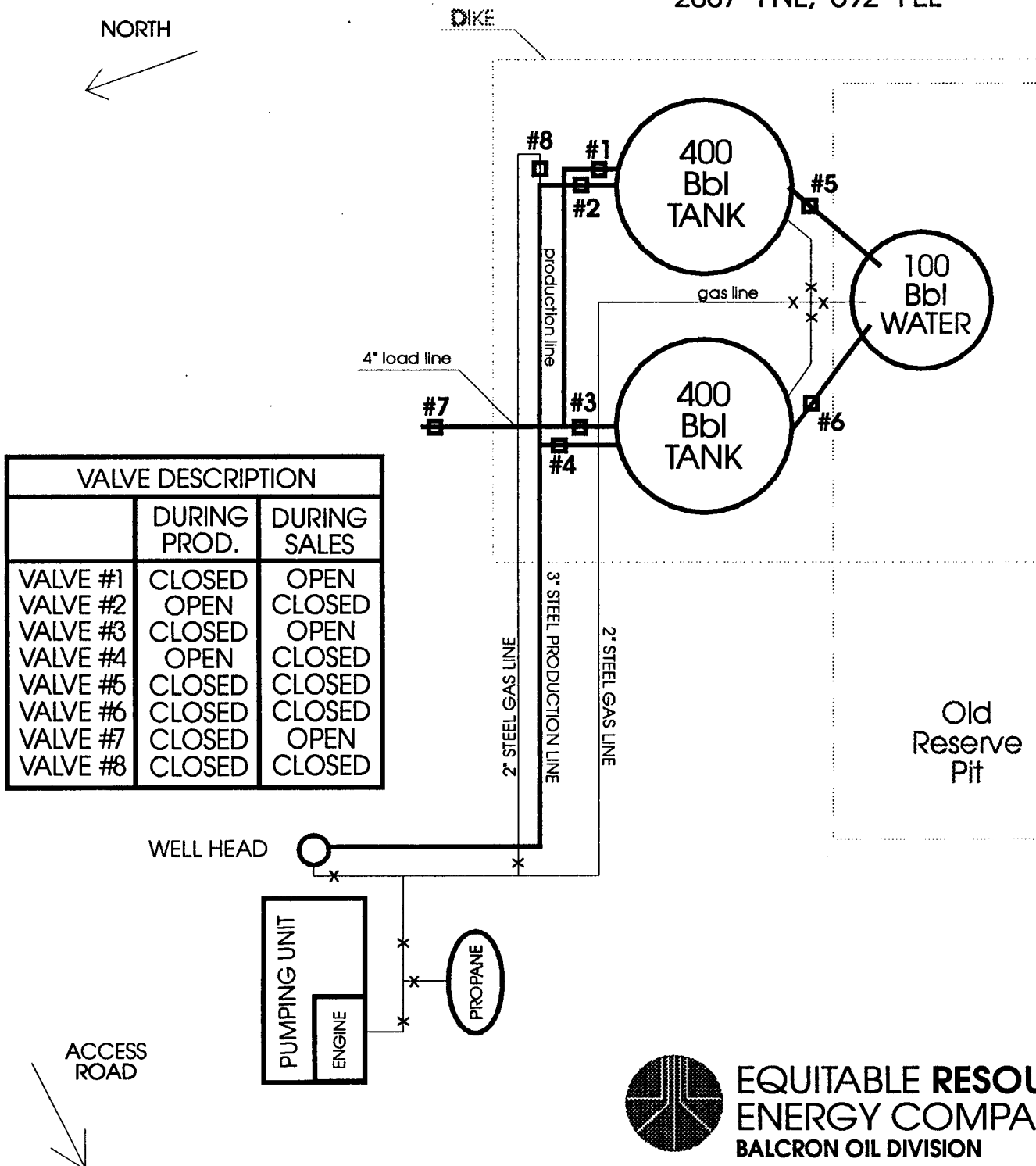


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

JAN 12 1994

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DIVISION OF
OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #42-1J
API number: 43-C13-31404
2. Well location: QQ SE NE section 1 township 9S range 16E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division
Address: P.O. Box 21017 phone: (406) 259-7860
Billings, MT 59104
4. Drilling contractor: Union Drilling
Address: Drawer 40 phone: (304) 472-9037
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water encountered during	
		drilling operations.	

6. Formation tops: See Geologic Report submitted separately.
- _____
- _____
- _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman
Title Coordinator of Environmental and
Regulatory Affairs

Signature Bobbie Schuman
Date 1-10-94

Comments:

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REMOV. ☐ Other ☐

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcon Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017, Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 2087.2' FNL, 692.4' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-31404
DATE ISSUED 10-25-93

12. COUNTY OR PARISH Duchesne
13. STATE UTAH

15. DATE SPUDDED 10-19-93
16. DATE T.D. REACHED 11-14-93
17. DATE COMPL. (Ready to prod.) 12-11-93
18. ELEVATIONS (OF, RKB, RT, GR, ETC.) * 5380.3' CL
19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD 5850'
21. PLUG, BACK T.D., MD & TVD 5761.5'
22. IF MULTIPLE COMPL., HOW MANY? n/a
23. INTERVALS DRILLED BY n/a
ROTARY TOOLS Sfc - TD
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
4779'-4938' Green River
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DL mud log, CB46/CCL, 11-18-93
27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	355'	12-1/4"	180 sxs Class "G" + additives	n/a
5-1/2"	15.5#	5808.88'	7-7/8"	112 sxs Thrifty-lite and 258 sxs 50-50 RCZ	n/a

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	5367.60'	n/a

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4779'-82' (2SPF)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4935'-38' (2 SPF)		5081'-86' & 5292'-96'	15,000# 20/40 & 12,000# 20/40 sand in 403 bbls 2% KCL water
5081'-86'			
5292'-96'		4779'-82 & 4935'-38'	18,100# 16/30 sand in 261 bbls 2% KCL water.

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-11-93		1-1/2" Insert Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-13-93	24	n/a		80	400	20	5
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a		80	400	20	43	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.
TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 1-10-94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	See Geologic Report submitted	separately.	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-40652
2. Name of Operator Equitable Resources Energy Company, Balcon Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE NE Section 1, T9S, R16E 2087.2' FNL, 692.4' FEL	8. Well Name and No. Balcon Monument Federal #42-1J
	9. API Well No. 43-013-31404
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

JAN 12 1994

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Dobbe Schuman Title Coordinator of Environmental and Regulatory Affairs Date 1-10-94
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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*See Instruction on Reverse Side

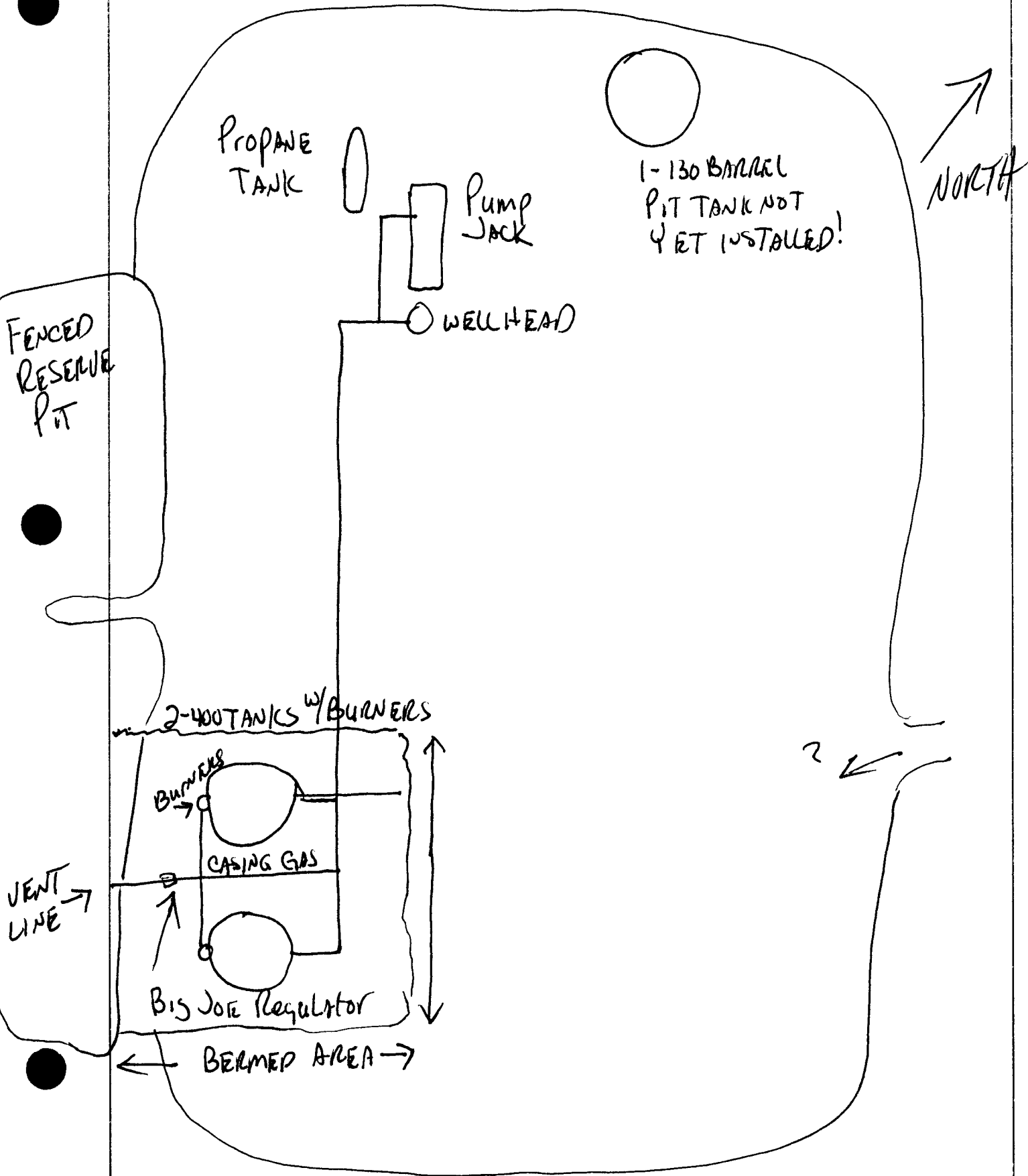
EQUITABLE RESOURCES Co

1-40652

43-013-31404

MONUMENT BUTTE #42-1J
SEC 1 T9S R16E

1/19/94 D. Long



UTAH DIVISION OF OIL, GAS AND MINING
EQUIPMENT INVENTORY

Operator: EQUITABLE RESOURCES COMPANY Lease: State: Federal: Y
Indian: Fee:

Well Name: MONUMENT FED #42-1J API Number: 43-013-31404
Section: 1 Township: 9S Range: 16E County: DUCHESNE Field:
MONUMENT BUTTES
Well Status: POW Well Type: Oil: Y Gas:

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY:

Y Well head Boiler(s) Compressor Separator(s)
 Dehydrator(s) Shed(s) Line Heater(s) Heated
Separator
 VRU Heater Treater(s)

PUMPS:
 Triplex Chemical (1) Centrifugal

LIFT METHOD:
Y Pumpjack Hydraulic Submersible Flowing

GAS EQUIPMENT:

N Gas Meters N Purchase Meter N Sales Meter

TANKS:	NUMBER	SIZE
	<u>Y</u> Oil Storage Tank(s)	<u>2-400 BARREL OIL TANKS</u> BBLS
	<u>Y</u> Water Tank(s)	<u>1-130 BARREL PIT TANK</u> BBLS
	<u> </u> Power Water Tank	<u> </u> BBLS
	<u> </u> Condensate Tank(s)	<u> </u> BBLS
	<u>(1)</u> Propane Tank	<u> </u>

REMARKS: RESERVE STILL OPEN. PIT TANK ON LOCATION BUT NOT YET INSTALLED.
EQUIPMENT FIRED ON CASING HEAD GAS WITH PROPANE BACKUP. CENTRIFUGAL PUMP IS
GLYCOL TRACE PUMP. VENTING SMALL AMOUNT OF GAS AT PIT.

Location central battery: Qtr/Qtr: Section: Township:
Range:

Inspector: DENNIS INGRAM Date: 1/19/94

RECEIVED
APR 6 1994

APR 6 1994

OPERATOR	Balcron Oil Division
ADDRESS	P.O. Box 21017
	Billings, MT 59104

Well location: QQ SE NE section 1 township 9S range 16E county Duchesne

Date of test: _____
API number: 43-013-31404

List of Attachments: UIC Permit Application

Application approved by _____ Title _____
Approval Date _____

(3/89)



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

April 5, 1994

-- VIA FEDERAL EXPRESS --

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are Applications for Injection Well (UIC Form 1) and the UIC Permit Application for the following wells:

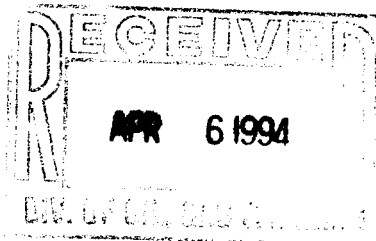
Monument Butte #1-24

Monument Butte #1-13

Monument Butte #1-33

Balcron Monument Federal #42-1J

Getty #12-1



We will be sending notice of this application to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well. We will forward a copy of that notice along with our Affidavit certifying that they were sent as soon as it has been done.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Attachments

cc: Bureau of Land Management (Salt Lake City office)

Underground Injection Control(UIC)
Permit Application

Equitable Energy Resources Company, Balcron Oil Division.
Jonah Unit Waterflood
Duchesne County, Utah

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Figure #2	Jonah Unit Water Injection Facilities
Figure #3	Jonah Unit Surface Ownership And Operator Map

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Exhibit-B	Well Data Sheets and Scout Cards
Exhibit-C	Proposed Injection Well Completion Diagrams
Exhibit-D	Water Analysis Reports
Exhibit-E	Jonah Unit Section-6 Injection Data
Exhibit-F	Fracture Pressure And Gradient Data
Exhibit-G	Step Rate Injection Test Data

Underground Injection Control(UIC)
Permit Application
Jonah Unit Secondary Recovery

Operator: Equitable Resources Energy Company, Balcron Oil Division
P.O Box 21017
1601 Lewis Avenue Bldg.
Billings, Montana 59104

Project: Jonah Unit Waterflood
Monument Butte Field
Sections 5, 6, & 7, T9S, R17E
Sections 1 & 12, T9S, R16E
Duchesne County, Utah

A) Description Of Operations.

1) It is proposed to expand the existing Jonah Unit waterflood by converting the following wells to water injection:

Monument Butte Federal #1-13	NW SW Sec.1, T9S, R16E
Monument Butte Federal #1-24	SE SW Sec.1, T9S, R16E
Monument Butte Federal #1-33	NW SE Sec.1, T9S, R16E
Balcron Monument Federal #42-1J	SE NE Sec.1, T9S, R16E
Getty Government #12-1	NW NE Sec.12, T9S, R16E

2) Water will be pumped to the proposed water injection wells from an existing injection plant located in the SE NW Sec.6, T9S, R17E. Water injection lines have been installed to the proposed water injection wells as per the approval of the Vernal BLM office.

Note: The Jonah Unit waterflood includes the existing Monument Butte Section 6, T9S, R17E Waterflood which has been approved by the EPA and Utah OG&M under the EPA Area Permit UT2642-00000. A second EPA permit has been submitted which covers four proposed water injection wells in Sections 5 & 7, T9S, R17E.

B) Maps And Project Area For Review.

1) Figure #1 - Jonah Unit Project Area Map. A 1/2 mile radius from the proposed injection wells is outlined with all wells in the prescribed area located and identified.

2) Figure #2 - Jonah Unit Water Injection Facilities Map.

3) Figure #3 - Surface Ownership And Operators Map. A 1/2 mile radius from the proposed injection wells is outlined with all surface ownership and operators in the prescribed area identified. All surface and minerals

within the Jonah Unit waterflood boundry are owned by the Bereau of Land Management.

Refer to Exhibit-A for a list of surface owners and operators within a 1/2 mile radius of the proposed water injection wells.

C) Proposed Injection Well Logs.

- 1) All logs are on file with the Utah OG&M or will be submitted upon request.

D) Well Data And Injection Well Completion Diagrams.

- 1) Refer to Exhibit-B for Well Reports and existing Well Completion Diagrams for the proposed water injection wells and surrounding wells.
- 2) Refer to Exhibit-C for proposed Injection Well Completion Diagrams for the proposed water injection wells.
- 3) It is proposed to inject water into multiple sands of the Douglas Creek Member of the Green River Formation. The proposed injection wells will be completed with packers set just above the perforations and landed on tubing. The casing annulus will be filled with a protective corrosion inhibitor and the backside pressure will be monitored daily.
- 4) The proposed water injection wells will have mechanical integrity tests performed to insure confinement of the injection waters. The baksides will be pressured and monitored according to the specific instructions setforth by the Utah OG&M proir to water injection.

E) Water Supply For The Proposed Injection Wells.

- 1) Water for the Jonah Unit waterflood will be fresh potable water supplied by the Johnson Water Association out of Myton, Utah. The water will be piped from the Johnson facility approximately 7.5 miles through a six inch fiberglass supply line which is owned and operated By Balcron Oil. The source for this water supply is the Starvation Reservoir which is owned by the Bureau of Reclamation, Central Utah Project. The water is gathered from the Strawberry and Duchesne Rivers into the reservoir just west of the city of Duchesne, Utah and sold accordingly. The analysis for this water shows 300 mg/l choride and and 1429 mg/l TDS with a specific gravity of 1.00. Chemicals will be added to the water to reduce oxygen and to prevent corrosion and scaling. The proposed chemicals will be supplied by Champion Technologies and are referred to as Scortron GR-72 and Cortron-178. Refer to Exhibit-D for the analysis of the proposed injection water.
- 2) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the formation. Due to the fresh initial injection water, this produced water should also be relatively fresh. When it is time to inject this produced water the Utah OG&M will be notified via letter and a water analysis will be submitted.

F) Green River Formation Produced Water.

- 1) The injection interval water quality is an analysis of the produced water from the Allen Federal #23-6. This well is perforated in most of the proposed injection sands and represents an average produced water sample. The analysis shows 14,000 mg/l chloride and 23,360 mg/l TDS. Refer to Exhibit-D for the produced water analysis report.

G) Injection Well Operating Data.

- 1) Average water injection volume of 250 STBWPD per well.
Maximum water injection volume of 600 STBWPD per well.
- 2) Average estimated injection pressure of 1690 psig.
Maximum estimated injection pressure of 2000 psig.
The injection pressures for the Jonah Unit waterflood are estimated by analogy with Balcron Oil's existing Monument Butte waterflood located in Sec.6, T9S, R17E, Duchesne County, Utah. This waterflood is injecting water into the same formation with similar reservoir conditions as the proposed water injection wells. Refer to Exhibit-E for Section-6 injection data.
- 3) The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor (Cortron R-2383) supplied by Champion Technologies, Inc. The recommended chemical will be mixed with fresh water at a concentration of two percent by volume. A diesel blanket of approximately one barrel will be placed on the backside to prevent the valves from freezing.

H) Formation Fracture Data.

- 1) The average fracture gradient for the Douglas Creek Member sands is 0.861 psig/ft. This is an average of all the frac gradients calculated from jobs performed in Sec.6, T9S, R17E. Refer to Exhibit-F for frac pressure and gradient data.
- 2) Calculations for the submitted frac gradients are based on the initial shut in pressures obtained from the frac jobs performed on the Allen Federal wells in Section 6. Most frac records show that the frac sand was displaced with 2% KCl water. The hydrostatic gradient for the 2% KCl water was calculated at 0.43836 psig/ft. This gradient was used to calculate the hydrostatic head of the KCl water and was added to the ISIP. The frac gradient was then calculated by dividing the sum of these pressures by the average of the perforation depth.

$$\text{Frac Gradient} = (\text{ISIP} + 0.43836 \text{ psig/ft}(\text{Depth}))/\text{Depth}$$

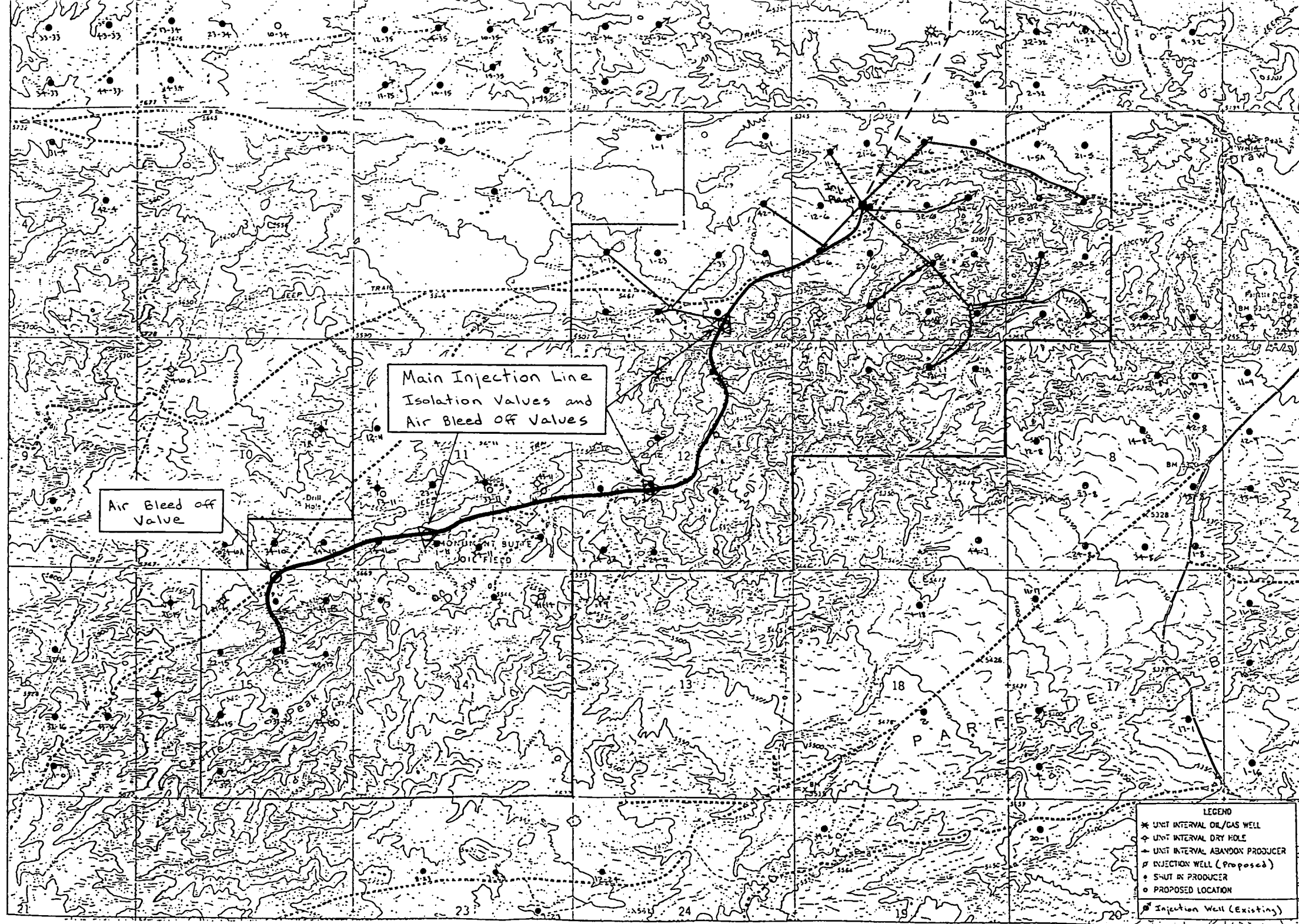
- 3) A four point injection test was performed on the existing Allen Federal #13-6 injection well which indicates a surface injection parting pressure of approximately 2080 psig. Refer to Exhibit-G for the results of the

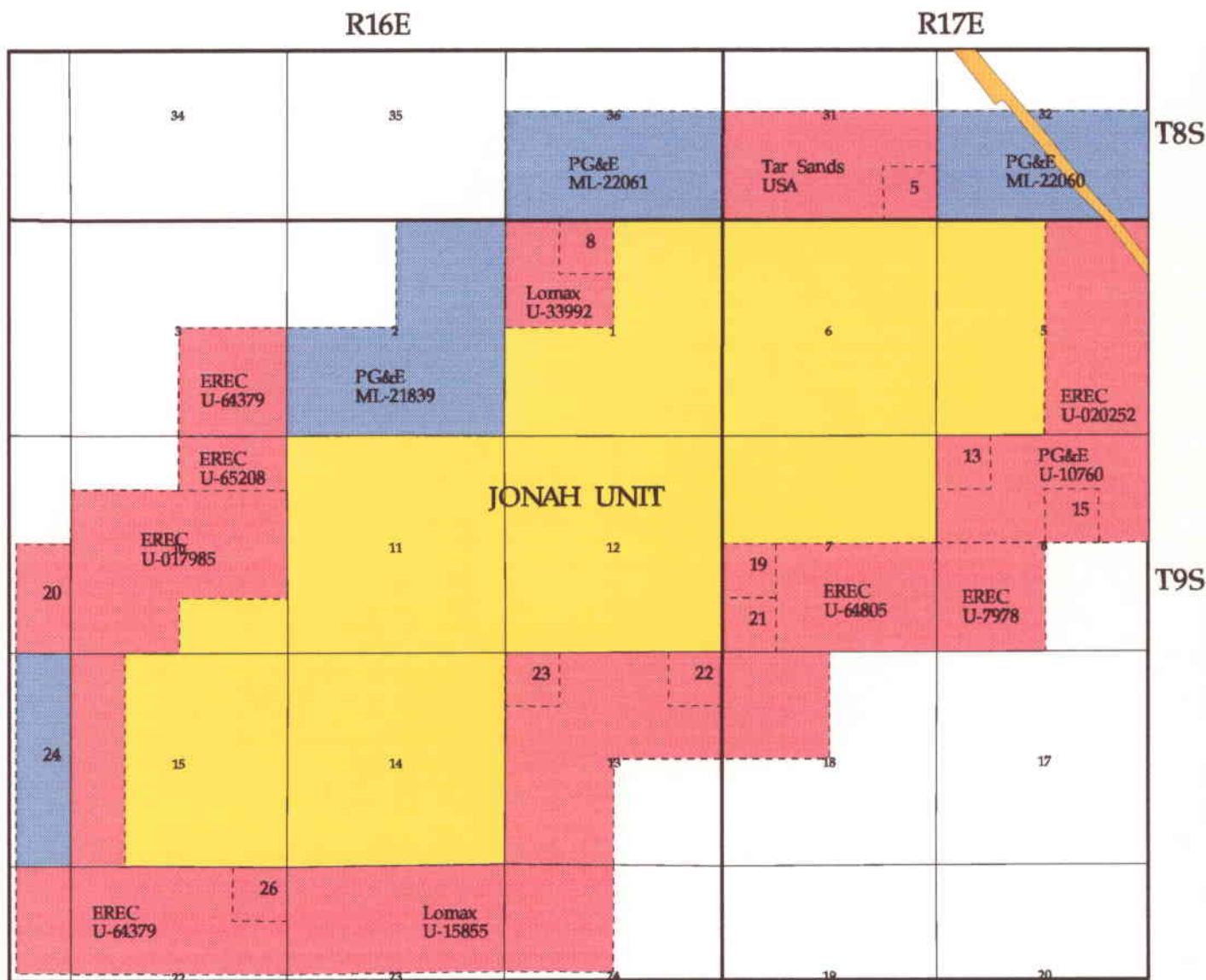
J) Mechanical Condition Of Wells.

- 1) All wells within a 1/2 mile radius of the proposed water injection wells are completed in the Douglas Creek Member of the Green River Formation. All wells have been cased through the producing interval and cemented to a point well above the proposed water injection horizon. Refer to Exhibit-B for well reports and completion diagrams.

K) Notification To Surface Owners And Operators.

- 1) A copy of this water injection application will be provided to all surface owners and operators within a 1/2 mile radius of the proposed water injection wells. An Affidavit certifying such action will be sent to the Utah OG&M as soon as possible.





Wild Rose
5 U-020433
PG&E
8 U-40652
Texaco
13 U-44426
F. Lieber
15 U-10760
Texaco
19 U-44426
EREC
20 U-40894
EREC
21 U-64381
Texaco
22 U-44426
Texaco
23 U-44426

Celsius
24 ML-16532
J.Chasel
26 U-65209

- State Surface
- Federal Surface
- Jonah Unit
- Fee Surface Patented Mining Claim

Balcron Oil

Figure 3

Surface Ownership

Operator Map

Duchesne County, Utah
March 18, 1994
Scale 1:48000

Exhibit - A
Surface Owners And Operators List
Jonah Unit Waterflood

Surface Owners Within A 1/2 Mile Radius Of The Jonah Unit

- 1) State Of Utah
- 2) USA, Bureau Of Land Management

Oil And Gas Lease Operators Within A 1/2 Mile Radius Of The Jonah Unit

- 1) Equitable Resources Energy Company
- 2) Lomax Exploration Company, Inc.
- 3) Pacific Gas & Electric (PG&E)
- 4) Wild Rose Resources, Inc.
- 5) Texaco
- 6) F. Lieber
- 7) Celsius
- 8) J. Chasel

Exhibit - B
Well Data Sheets and Scout Cards

BALCRON OIL

WELL NAME: Balcron Monument Federal #11-6
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-020252A
 LOCATION: NW NW Sec.6,T9S,R17E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 10-29-92
 INITIAL PRODUCTION: 21 STBOPD, 20 MCFPD, 2 STBWPD
 PRESENT PROD STATUS: Water Injection Well
 Started Inj. on 1-22-93
 ELEVATIONS - GROUND: 5320'
 TOTAL DEPTH: 5704' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts @ 255'
 DEPTH LANDED: 268' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 190 sx of 75% Class-G &
 25% Litpoz.
 Cemented to surface.

Injection Equipment & Size	Length FT.	Setting Depth (w/13' KB) FT.
1) 153 jnts, 2.875" tbg	4713.7	13
2) 2 3/8" SN	1.1	4726.7
3) 5.5" Arrow Set-1 Pkr	6.2	4727.8
Total String Length		4734

Injection Assembly Set 9-12-93 by Mtn States Oil Tools.
 2 3/8" SN w/ID @ 1 25/32"
 Packers landed w/25,000 lbs compression.
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.
 Casing MIT performed 9-13-93 by Jerry Barns (Vernal BLM)
 Hot Oiled zones w/230 STB 2% KCl water, 10 gals Western
 940 NM surfactant & 5 gals Claymaster.

Injection Horizons

RED1 @ 4781'- 4790' KB
 GREEN1 @ 5044'- 5059',5075'- 5079' KB (Added 9-10-93)
 GREEN3 @ 5208'- 5210',5212'- 5220' KB
 GREEN5 @ 5288'- 5336' KB

ACID JOB/BREAKDOWNS

4781'- 4790' would not break w/5000 psig,
 spot 750 gals 15% Hcl acid down tbg,BD @ 1500 psig.
 5208'- 5336' breakdown w/2% KCL water,BD @ 3200 psig,
 6.0 BPM @ 2750 psig,ISIP @ 1050 psig.
 5045'- 5079' breakdown w/29 STB 2% KCl water & 25 ball
 sealers, 6.5 BPM @ 2560 psig, good ball action.

WELL REPORT

DATE: 4-4-94 JZ
 API NO.: 43-013-31362

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas

SPUD DATE: 9-28-92

BHT: 151 Deg. F

KB: 5333' (13' KB)
 PLUG BACK TD: 5653' KB

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5690'
 DEPTH LANDED: 5703' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 206 sx hifill & 495 sx
 Class-G w/additives.
 CEMENT TOP AT: 800' from CBL.

PERFORATIONS

4781',4783',4785',4787',4790' w/one shot each. RED1
 5045',5047',5049',5051',5053',5055', GREEN1
 5057',5075',5077',5079' KB w/one shot each.
 (Added GREEN1 Perfs 9-10-93)
 5208',5215' GREEN3
 5208'-5210',5212'-5220' KB w/2 SPF (Added Perfs, GREEN3)
 5288',5293',5298',5303',5313', GREEN5
 5316',5321',5327',5332',5336' w/one shot each.

FRAC JOB

4781'- 4790' Frac w/Western on 10-24-92.
 7812 gals Viking 1 w/27,000 lbs 16-30 sand.
 Avg 15 BPM @ 2700 psig, ISIP @ 2300 psig,
 5 min @ 1540 psig, 10 min @ 1280 psig,
 15 min @ 1140 psig.

5045'- 5079' Frac w/Western on 9-10-93.
 8736 gals Viking 1 w/15,000 lbs 16-30 sand.
 Avg 17.8 BPM @ 3700 psig, ISIP @ 1850 psig,
 5 min @ 1720 psig, 10 min @ 1660 psig,
 15 min @ 1640 psig.

5208'- 5336' Frac w/Western on 10-24-92.
 14,574 gals Viking 1 w/38,500 lbs 20-40 sand
 & 5,000 lbs 16-30 sand. Avg rate 30 BPM @
 @ 3100 psig,ISIP @ 1850 psig,5 min @ 1800 psig,
 10 min @ 1780 psig,15 min @ 1710 psig.

5208'- 5220' Frac w/Western on 3-24-93.
 10,668 gals Viking I-35 w/15,000 lbs 16-30
 sand. Avg rate 14.7 BPM @ 3400 psig, screened
 out during job.

Balcron Monument Federal #11-6
NW NW Sec. 6,T9S,R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Injection Well Completion Diagram

BALCRON OIL
4-4-94 JZ

SURFACE CASING

8 5/8" K-55,24#
Landed @ 272' KB
Cemented W/190 sx,75-25 Class-G/Litpoz
Cemented to surface.
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2" J-55,15.5#
Landed @ 5703' KB
Cement Data:
206 sx Hifill & 495 sx Class-G.
w/additives.
Cement to 800' KB
Hole Size @ 7 7/8"

Injection Equipment & Size	Length FT.	Setting Depth (w/13' KB) FT.
1) 153 jnts, 2.875" tbg	4713.7	13
2) 2 3/8" SN	1.1	4726.7
3) 5.5" Arrow Set-1 Pkr	6.2	4727.8
Total String Length		4734

Injection Assembly Set 9-12-93 by Mtn States Oil Tools.
2 3/8" SN w/ID @ 1 25/32"
Packers landed w/25,000 lbs compression.
Packer fluid - 55 gals Champion Contron #23-83 w/60 STBW.
Casing MIT performed 9-13-93 by Jerry Barnes (Vernal BLM)
Hot Oiled zones w/230 STB 2% KCl water, 10 gals Western
940 NM surfactant & 5 gals Claymaster.

Injection Horizons

RED1 @ 4781'- 4790' KB
GREEN1 @ 5044'- 5059',5075'- 5079' KB (Added 9-10-93)
GREEN3 @ 5208'- 5210',5212'- 5220' KB
GREEN5 @ 5288'- 5336' KB

ACID JOB

4781'- 4790' spot 750 gals 15% HCl Acid
5208'- 5336' breakdown w/2% KCL water
5045'- 5079' breakdown w/2% KCl water

FRAC JOB

4781'- 4790', 7812 gals Viking 1
w/27,000 lbs 16-30 sand.

5045'- 5079', 8736 gals Viking 1
w/15,000 lbs 16-30 sand.

5208'- 5336', 14,574 gals Viking 1
w/38,500 lbs 20-40 sand & 5,000 lbs
16-30 sand.

5208'- 5220', 10,668 gals Viking I-35
w/15,000 lbs 16-30 sand. Screened out.

Uintah Formation Surface to 1400 ft.

Green River Formation 1400 to 4100 ft.

PERFORATIONS

4781',4783',4785',4787',4790' w/one shot each.	RED1
5045',5047',5049',5051',5053',5055', 5057',5075',5077',5079' KB w/one shot each. (Added GREEN1 Perfs 9-10-93)	GREEN1
5208',5215' w/one shot each.	GREEN3
5208'-5210',5212'-5220' KB w/2 SPF (Added Perfs, GREEN3)	GREEN5
5288',5293',5298',5303',5313', 5316',5321',5327',5332',5336' w/one shot each.	

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5653' KB
TD @ 5704' KB

BALCRON OIL

WELL REPORT

WELL NAME: Allen Federal #12-6
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-020252-A
 LOCATION: SW NW Sec.6,T9S,R17E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 2-20-82
 INITIAL PRODUCTION: 190 STBOPD,75 MSCFGPD,39 STBWP
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 9 STBOPD, 54 MSCFGPD, 0 STBWP
 ELEVATIONS - GROUND: 5352'
 TOTAL DEPTH: 6300' KB

DATE: 4-4-94 JZ

API NO.: 43-013-30582

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas

SPUD DATE: 12-31-81
 OIL GRAVITY: 33.6 API
 BHT: 146 Deg.F

KB: 5366' (14' KB)
 PLUG BACK TD: 6203' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts. @ 260'
 DEPTH LANDED: 270' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 210 sx, Class-H.
 Cement to surface.

PRODUCTION CASING

STRING: 1
 SIZE: 5 1/2"
 GRADE: K-55, LT&C
 WEIGHT: 15.5 lbs.
 LENGTH: 6280'
 DEPTH LANDED: 6290' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 420 sx, Class-G.
 655 sx, RFC.
 CEMENT TOP AT: 680' KB from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8", J-55, 4.7 lbs.
 NO. OF JOINTS: 183 jts. @ 5689.27'
 TUBING ANCHOR: None
 NO. OF JOINTS: NA
 SEATING NIPPLE: 2 3/8" x 1.1' (ID @ 2.25")
 PERF. SUB: 2 3/8" x 5.94'
 MUD ANCHOR: 2 3/8" x 31.75' w/NC
 TOTAL STRING LENGTH: 5728'
 SN LANDED AT: 5704' KB

SUCKER ROD RECORD

1 - 1 1/2" x 22' Polish Rod
 1 - 3/4" x 4' Pony
 1 - 3/4" x 6' Pony
 213 - 3/4" x 25' Plain Rods
 14 - 3/4" x 25' Huber Guided Rods

PUMP SIZE: 2" x 1 1/4" x 16' RHAC
 w/Ringed PA plunger, Trico
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 5
 PUMPING UNIT SIZE:
 PRIME MOVER:

LOGS: Cement Bond, Dual Induction-SFL,
 Compensated Neutron-Formation Density,
 Cyberlook.

PERFORATION RECORD

4302'- 4326' (24') 49 Holes	YELLOW
4780'- 4788' (8') 32 Holes	RED1 (Added 9-8-93)
4832'- 4851' (19') 39 Holes	RED2
5051'- 5055' (4') 8 Holes	GREEN1 (Added 9-8-9)
5280'- 5301' (21') 43 Holes	GREEN5
5665'- 5676' (11') 23 Holes	BLUE

ACID JOB

4302'- 4326' 2500 gal 15% HCl Acid
 4832'- 4851' 2000 gal 15% HCl Acid
 5280'- 5301' 2000 gal 15% HCl Acid
 5665'- 5676' 1000 gal 15% HCl Acid

FRAC JOB

SEE NEXT PAGE

Allen Federal #12-6
Monument Butte
U-020252-A
SW NW Sec.6, T9S, R17E
Duchesne County, Utah

FRAC JOB

4302'- 4326' Frac w/Halliburton on 2-10-82.

36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig,
max. @ 2200 psig, ISIP @ 1800 psig, 15 min @ 1540 psig,
20 min @ 1520 psig.

4780'- 4788' Frac w/Western on 9-9-93.

11,718 gal Viking I-35# w/23,800 lbs 16-30 mesh
sand, Avg 12 BPM @ 4200 psig, max @ 5000 psig,
ISIP @ 2180 psig, 5 min @ 1720 psig, 10 min
@ 1620 psig, 15 min @ 1560 psig.

4832'- 4851' Frac w/Halliburton on 2-9-82.

31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1950 psig,
max. @ 2150 psig, ISIP @ 1950 psig, 15 min @ 1780 psig,
20 min @ 1770 psig.

5051'- 5055' Frac w/Western on 9-9-93.

8,190 gal Viking I 35# w/8,000 lbs 16-30 mesh sand,
Avg 10.5 BPM @ 4700 psig, max @ 4900 psig,
ISIP @ 1930 psig, 5 min @ 1900 psig, 10 min
@ 1870 psig, 15 min @ 1860 psig.

5280'- 5301' Frac w/Halliburton on 2-8-82.

31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig,
max. @ 2700 psig, ISIP @ 2070 psig, 15 min @ 1920 psig,
20 min @ 1900 psig.

5665'- 5676' Frac w/Halliburton on 2-7-82.

36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 15 BPM @ 1700 psig,
max. @ 2400 psig, ISIP @ 1930 psig, 15 min @ 1750 psig,
20 min @ 1720 psig.

Allen Federal #12-6
SW NW Sec. 6, T9S, R17E
Lease No. U-020242A
Monument Butte Field/Jonah Unit
Duchesne County, Utah

Wellbore Diagram

BALCRON OIL
4-4-94 JZ

Elev. GR @ 5352'
Elev. KB @ 5366' (14' KB)

SURFACE CASING

8 5/8", K-55, 24#
Seven joints @ 260'
Landed @ 270' KB
Cemented W/210 sx, Class-H.
Cemented to surface.
Hole Size @ 12 1/4"

270' KB -->

PRODUCTION CASING

5 1/2", K-55, 15.5#, LT&C
147 jts @ 6280'
Landed @ 6290' KB
Cemented w/420 sx Class-G & 655 sx RFC.
Cement Top @ 680' KB from CBL.
Hole Size @ 7 7/8"

TUBING

2 3/8", J-55, 4.7#
183 jts. @ 5689'
SN - 2 3/8" x 1.1'
Perf. Sub - 2 3/8" x 6'
Mud Anchor - 2 3/8" x 31.75'
Total String Length - 5728'
SN Landed At 5704' KB

SUCKER ROD

1 - 1 1/2" x 22' Polish Rod
1 - 3/4" x 4' Pony
1 - 3/4" x 6' Pony
213 - 3/4" x 25' Plain Rods
14 - 3/4" x 25' Huber Guided Rods

PUMP SIZE: 2" x 1 1/4" x 16' RHAC
w/Ringed PA plunger, Trico

STROKE LENGTH: 74"

PUMP SPEED, SPM: 5

PUMPING UNIT SIZE:

PRIME MOVER:

SN @ 5704' -->

ACID JOB

4302'- 4326' 2500 gal 15% HCl Acid
4832'- 4851' 2000 gal 15% HCl Acid
5280'- 5301' 2000 gal 15% HCl Acid
5665'- 5676' 1000 gal 15% HCl Acid

FRAC JOB

4302'- 4326' Frac w/Halliburton on 2-10-82.
36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig,
max. @ 2200 psig, ISIP @ 1800 psig, 15 min @ 1540 psig,
20 min @ 1520 psig.
4780'- 4788' Frac w/Western on 9-9-93.
11,718 gal Viking I-35# w/23,800 lbs 16-30 mesh
sand, Avg 12 BPM @ 4200 psig, max @ 5000 psig,
ISIP @ 2180 psig, 5 min @ 1720 psig, 10 min
@ 1620 psig, 15 min @ 1560 psig.
4832'- 4851' Frac w/Halliburton on 2-9-82.
31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1950 psig,
max. @ 2150 psig, ISIP @ 1950 psig, 15 min @ 1780 psig,
20 min @ 1770 psig.
5051'- 5055' Frac w/Western on 9-9-93.
8,190 gal Viking I 35# w/8,000 lbs 16-30 mesh sand,
Avg 10.5 BPM @ 4700 psig, max @ 4900 psig,
ISIP @ 1930 psig, 5 min @ 1900 psig, 10 min
@ 1870 psig, 15 min @ 1860 psig.
5280'- 5301' Frac w/Halliburton on 2-8-82.
31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig,
max. @ 2700 psig, ISIP @ 2070 psig, 15 min @ 1920 psig,
20 min @ 1900 psig.
5665'- 5676' Frac w/Halliburton on 2-7-82.
36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand
& 10,000 lbs 10-20 mesh sand, Avg 15 BPM @ 1700 psig,
max. @ 2400 psig, ISIP @ 1930 psig, 15 min @ 1750 psig,
20 min @ 1720 psig.

PERFORATION RECORD

4302'- 4326' (24') 49 YELLOW
4780'- 4788' (8') 32 RED1 (Added 9-8-93)
4832'- 4851' (19') 39 RED2
5051'- 5055' (4') 8 H GREEN1 (Added 9-8-93)
5280'- 5301' (21') 43 GREEN5
5665'- 5676' (11') 23 BLUE

PBTD @ 6203' KB
TD @ 6300' KB

BALCRON OIL

WELL NAME: Allen Federal #13-6
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-020252A
 LOCATION: NW SW Sec.6,T9S,R17E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 9/3/84
 INITIAL PRODUCTION: 45 STBOPD,50 MSCFPD,7 STBWPD.
 PRESENT PROD STATUS: Water Injection Well
 Started Water Inj. 1-22-93
 ELEVATIONS - GROUND: 5379'
 TOTAL DEPTH: 6056' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24#.ST&C
 LENGTH: 6 jts @ 237'
 DEPTH LANDED: 251' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 180 sx Class G
 w/1/4# sx Cello Seal & 2% CaCl
 Cemented to surface.

WELL REPORT

DATE: 4-4-94 JZ
 API NO.: 43-013-30918

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 5/20/84

BHT: 131 Deg.F

KB: 5393' (14' KB)
 PLUG BACK TD: 6004' KB

PRODUCTION CASING

STRING: 1 2
 CSG SIZE: 5 1/2" 5 1/2"
 GRADE: J-55 J-55
 WEIGHT: 15.5# 14#
 LENGTH: 1125' 4885'
 DEPTH LANDED: 6050' KB (Shoe jnt - 40.38')
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 165 sx Hifill,
 500 sx Thioxotropic w/
 5# Gilsontite, 1/4# Flocele
 CEMENT TOP AT: 250',CBL up to 1000'.

PERFORATION RECORD

4012'- 4038' (26') 2 SPF**
 4064'- 4072' (8') .5 SPF**
 4744'- 4768' (24') 2 SPF RED1
 4910'- 4930' (20') 2 SPF RED5
 5054'- 5066' (12') 2 SPF GREEN1

** Perfs squeezed by Halliburton w/50 sx
 2% Calcium Chloride & 100 sx Class H
 Cement,squeezed @ 3300 psig.

FRAC JOB

4744'- 4768', Frac w/Dowell on 7-10-84.
 71,000 gal YF-140 w/128,000 lbs 20-40 mesh sand,
 1 to 5 lbs/gal @ 25 BPM,Max. 2800 psig,Avg 1850
 psig,ISIP @ 2200 psig,5 min @ 1800 psig, 10 min @
 1720 psig, 15 min @ 1660 psig.
 4910'- 4930', Frac w/Western on 12-17-92.
 9576 gal Viking I-35 w/15,000 lbs 20-40 sand,
 Avg 10.9 BPM @ 4000 psig, ISIP @ 2100 psig,
 5 min @ 1810 psig, 10 min @ 1730 psig,
 15 min @ 1670 psig (Frac down 2 3/8" tbg).
 5054'- 5066', Frac w/Dowell on 6-20-84.
 63,000 gal YF-140 w/126,000 lbs 20-40 mesh sand,
 1 to 5 lbs/gal @ 21.5 BPM,Max. 2840 psig,Avg 2400
 psig,ISIP @ 2280 psig, 5 min @ 2000 psig, 10 min @
 1900 psig, 15 min @ 1840 psig.

INJECTION EQUIPMENT & SIZE	LENGTH FT.	SETTING DEPTH (W/14' KB)FT.
-------------------------------	---------------	--------------------------------

1) 147jts 2 3/8 J-55 tbg	4654.25'	14.00'
2) 2 3/8" Standard SN	1.1'	4668.25'
3) 5.5" Arrow Set-1 Pkr	5.65'	4669.35'
Total String Length		4675.00'

Injection Packers Set 10-21-93 By Mtn States.
 2.375" SN ID @ 1 25/32".
 Arrow Set-1 Pkr set w/15,000 lbs tension.
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.
 Casing MIT performed 10-21-93.

INJECTION HORIZONS

RED1 @ 4744'- 4768'KB
 RED5 @ 4910'- 4930'KB
 GREEN1 @ 5054'- 5066'KB

LOGS: Cement Bond,Dual Laterlog,Compensated
 Density/Neutron.

ACID JOB

4910'- 4930', RU Western to acidize with
 500 gal 15% HCl, load backside w/60 STB 2%
 KCl wtr, Avg. 1700 psig @ 2.4 BPM, max 2700
 psig @ 4.1 BPM, ISIP @ 1400 psig.

Allen Federal #13-6
NW SW Sec.6,T9S,R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County,Utah
Jonah Unit

Injection Well Completion Diagram

BALCRON OIL
4-4-94 JZ

SURFACE CASING

8 5/8",K-55,24#
Six joints @ 237'
Landed @ 251' KB
Cemented W/180 sx,Class-G.
Cemented to surface.
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2",J-55,14 & 15.5#
28 jnts,15.5#,LT&C @ 1125'
120 jnts,14.0#,ST&C @ 4885'
Landed @ 6050' KB
Cemented w/165 sx Hifill & 500 sx
Thixotropic w/5# Gilsonnite & 1/4# Flocele.
Cement Top @ 250',CBL up to 1000'.
Hole Size @ 7 7/8"

INJECTION EQUIPMENT & SIZE	LENGTH FT.	SETTING DEPTH (W/14'KB)FT.
1) 147jts 2 3/8 J-55 tbq	4654.25'	14.00'
2) 2 3/8" Standard SN	1.1'	4668.25'
3) 5.5" Arrow Set-1 Pkr	5.65'	4669.35'
Total String Length		4675.00'

Injection Packers Set 10-21-93 By Mtn States.
2.375" SN ID @ 1 25/32".
Arrow Set-1 Pkr set w/15,000 lbs tension.
Packer fluid - 55 gals Champion Cortron #23-83
w/60 STB 2% KCl water.

INJECTION HORIZONS

RED1 @ 4744'- 4768'KB
RED5 @ 4910'- 4930'KB
GREEN1 @ 5054'- 5066'KB

ACID JOB

4910'- 4930', RU Western to acidize with
500 gal 15% HCl, load backside w/60 STB 2%
KCl wtr, Avg. 1700 psig @ 2.4 BPM, max 2700
psig @ 4.1 BPM, ISIP @ 1400 psig.

Uintah Formation Surface to 1400 ft.

FRAC JOB

4744'- 4768', Frac w/Dowell on 7-10-84.
71,000 gal YF-140 w/128,000 lbs 20-40 mesh sand,
1 to 5 lbs/gal @ 25 BPM,Max. 2800 psig,Avg 1850
psig,ISIP @ 2200 psig,5 min @ 1800 psig, 10 min @
1720 psig, 15 min @ 1660 psig.
4910'- 4930', Frac w/Western on 12-17-92.
9576 gal Viking I-35 w/15,000 lbs 20-40 sand,
Avg 10.9 BPM @ 4000 psig, ISIP @ 2100 psig,
5 min @ 1810 psig, 10 min @ 1730 psig,
15 min @ 1670 psig (Frac down 2 3/8" tbq).
5054'- 5066', Frac w/Dowell on 6-20-84.
63,000 gal YF-140 w/126,000 lbs 20-40 mesh sand,
1 to 5 lbs/gal @ 21.5 BPM,Max. 2840 psig,Avg 2400
psig,ISIP @ 2280 psig, 5 min @ 2000 psig, 10 min @
1900 psig, 15 min @ 1840 psig.

<- Squeezed

<- Squeezed

Green River Formation 1400 to 4100 ft.

PERFORATION RECORD

4012'- 4038' (26') 2 SPF (Squeezed)
4064'- 4072' (8') .5 SPF (Squeezed)
4744'- 4768' (24') 2 SPF
4910'- 4930' (20') 2 SPF
5054'- 5066' (12') 2 SPF

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 6004'KB
TD @ 6056'KB
Wasatch Formation 6000 ft.

Dwights Well Data System CD-ROM
Copyright 1991 Rocky Mountains

H# R-117569-0 Original
Run Date: 14-Jul-92

State : Utah SL Merid 9S - 17E - 6 SW SW

County: DUCHESNE

Oper: DIAMOND SHAMROCK O&G CO

Field : MONUMENT BUTTE

Compl: 09/16/1981 D D P&A

Well: ALLEN FEDERAL #14-6

Last Info: 03/26/1985

Ftg: 773 fsl 750 fwl

Obj: 5400 Test

Permit #:

07/17/1981 API: 43-013-3058500

Elev: 5350KB

Spud: 08/27/1981

TD: 5410 on 09/14/1981

K mkr

Elev: 5350KB

FORMATION TOPS

(Type: L=Log S=Sample V=True Vertical)

(Source: H=Scout, T=Govt, S=Shell, G=USGS, N=NDGS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
oil shale	1513	3837	L H	Douglas Creek	4652	698	L H
bs oil sh	3110	2240	L H	K mkr	5018	332	L H
Garden Gulch	3652	1698	L H				

Casing: 9 5/8 @ 285 w/235

Core :

None

DST :

None reported

Logs : CNL-FDC DIL Computer Processed Log

Journl: 10/2/81 spudded, drld ahead - no further details yet available.
10/21/81 plugged & abandoned.

=====
State : Utah SL Merid 9S - 16E - 1 ne nw

County: DUCHESNE Oper: LOMAX EXPL CO

Field : MONUMENT BUTTE Compl: 08/06/1981 D O OIL

=====
Well: FEDERAL #1-1 Last Info: 03/01/1988

Ftg: 684 fnl 1930 fwl

Lat-Long by GITI: 40.065216 - 110.069550

Oper Address: PO Box 1446, Roosevelt UT 84066 - 801/722-5103

Obj: 5500 Green River Permit #: 04/20/1981 API: 43-013-3057100

Elev: 5387GR

=====
Spud: 05/01/1981 Contr: Landmark #101

TD: 5504 on 06/28/1981

PB: 5461

=====
Casing: 8 5/8 @ 289 w/230 - 5 1/2 @ 5504 w/390

Core : None

Logs : GRD DLL-GR

Tubing: 2 7/8 @ 5365

-- Recompletion Oct 82: 2 7/8 @ 5266

Perfs : 5316-5338

@ 5335-38, 5316-19 w/2 SPF

5094-5112

@ 5108-12, 5094-5102 w/1 SPF - acid w/5000 gal 15% HCl - frac w/74,840
gal pad 54,840# sd -- Recompletion Oct 82: Plug back to 5050

4956-4973 (Green River)

@ 4956-64 4971-73 w/13 holes - frac w/35,500 gal gel wtr 85,000# 20/40
sd

PZone : 5094-5338 (Green River)

(-- Recompletion Oct 1982:)

4956-4973 (Green River)

IP : P 69 BOPD grav 34 -- Recompletion Oct 82: P 15 BOPD grav 34, GTSTM, 8
BWPD

Journl: 5/5/81 WO weather @ 268. 5/19/81 WO weather @ 268. 6/2/81 MIRT - will
resume drlg soon. 6/10/81 WO rig. 6/24/81 drlg @ 5012. 7/2/81 reached
TD; logged. 7/9/81 set prod csg; completing. 7/22/81 perf'd.
8/20/81 completed oil well.

1/5/83 recompleted in Green River, October 1982.

BALCRON OIL

WELL NAME: Federal #2-1
FIELD: Monument Butte
FEDERAL LEASE NO.: Jonah Unit
LOCATION: NE NE Sec.1,T9S,R16E
COUNTY/STATE: Duchesne County,Utah
WORKING INTEREST: 0.805079506
PRODUCING FORMATION: Douglas Creek,Green River
COMPLETION DATE: 4-29-82
INITIAL PRODUCTION: 26 STBOPD,62 STBWPD
OIL/GAS PURCHASER: Amoco/Questar
PRESENT PROD STATUS: 6 STBOPD, 0 MSCFGPD, 0 WTR
ELEVATIONS - GROUND: 5341'
TOTAL DEPTH: 5750'

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 221'
DEPTH LANDED: 238' KB
HOLE SIZE: 12 1/4'
CEMENT DATA: 150 sx Class-G w/2% CaCl

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8",J-55,6.5#
NO. OF JOINTS: 161 jnts @ 5089'
TUBING ANCHOR: None
SEATING NIPPLE: 2 7/8" x 1.1' (ID @ 2.25")
PERF. SUB: 2 7/8" x 3'
MUD ANCHOR: 2 7/8" x 31' w/Notch Collar
PACKER: None
SN LANDED AT: 5107' KB
TOTAL STRING LENGTH: 5124'

SUCKER ROD RECORD

1 - 1 1/4" x 16' Polished Rod
1 - 3/4" x 4' Pony
1 - 3/4" x 8' Pony
94 - 3/4" x 25' Rods w/2 1/2" Ryton Guides
102 - 3/4" x 25' Plan Rods (Grade-D)
6 - 1 1/4" x 25' KBARS

PUMP SIZE: 2 1/2" x 1 1/4" x 16' RHAC SMP
STROKE LENGTH: 54" Stoke
PUMP SPEED, SPM: 8 SPM
PUMPING UNIT SIZE:

WELL REPORT

DATE: 3-31-94 JZ
API NO.: 43-13-30603
NET REVENUE INT.: 0.73831617 Oil
0.66359285 Gas
SPUD DATE: 3-25-82
OIL GRAVITY: 32 Deg.API
BHT:
KB: 5358' (17' KB)
PLUG BACK TD: 5707' KB w/Cement Retainer @ 5190' KB.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5757'
DEPTH LANDED: 5774' KB
HOLE SIZE: 7 7/8"
CEMENT DATA: 670 sx 50/50 Poz

CEMENT TOP AT: 2744' KB from well file.

PERFORATION RECORD

4026'- 4038' KB Squeezed YELLOW1
4070', 4072' KB Squeezed YELLOW1
4344',4346',4348' KB (3 shots) YELLOW3
4944'- 4946' KB Squeezed
4954'- 4959' KB (5 Shots) RED5
5075', 5077' KB (2 SHOTS) GREEN1
5085'- 5090' KB (7 SHOTS)
5137', 5140' KB (2 Shots) GREEN MKR
Cement Retainer @ 5190' KB
5204'- 5206' KB Squeezed

Acid Job

4026'- 4348' Western acidized w/3000 gals 7.5% HCl acid
4954'- 5140' Western acidized w/3000 gals 7.5% HCl acid

FRAC JOB

4026'- 4348' Western Frac w/31,500 gals gelled 2% KCL
water, 47,000# 20-40 mesh & 20,000# 10-20 mesh sand,
avg. 31 BPM @ 2200 psig,swab 24 BPH w/10% oil,Chlorides
@ 10,300 ppm, RW = .37 @ 71 Deg.F.

4954'- 5140' Western Frac w/31,500 gals gelled 2% KCL
water, 47,000# 20-40 mesh & 25,000# 10-20 mesh sand,
avg. 30 BPM @ 1950 psig,swab 4 BPH.

Federal #2-1
Monument Butte Field
Jonah Unit
NE NE Sec.1,T9S,R16E
Duchesne County,Utah

Wellbore Diagram

Balcron Oil
3-31-94 JZ

Elev.GL @ 5341'
Elev.KB @ 5358' (17' KB)

SURFACE CASING

8 5/8",J-55,24#
Length @ 221'
Depth Landed @ 238' KB
Hole Size @ 12 1/4"
Cemented w/150 sx Class-G
w/2% CaCl

← 238' KB

PRODUCTION CASING

5 1/2",J-55,15.5#
Length @ 5757'
Depth Landed @ 5774' KB
Hole Size @ 7 7/8"
Cemented w/670 sx 50/50 Poz
Cement Top @ 2744' KB

Tubing

2 7/8",J-55,6.5# Tbg
161 jnts @ 5089'
SN 2 7/8" x 1.1' (ID @ 2.25")
Perf Sub 2 7/8" x 3'
MA 2 7/8" x 31' w/NC
Total Length @ 5124'
SN Landed @ 5107' KB

SUCKER ROD RECORD

1 - 1 1/4" x 16' Pol. Rod
1 - 3/4" x 4' Pony
1 - 3/4" x 8' Pony
94 - 3/4" x 25' Rods
w/2 1/2" Ryton Guides
102 - 3/4" x 25' Rods
Plan (Grade-D)
6 - 1 1/4" x 25' KBARS

Pump Size

2 1/2" x 1 1/4" x 16' RHAC SMP
54" Stoke, 8 SPM

Acid Job

4026'- 4348' Western acidized w/3000 gals
7.5% HCl acid.
4954'- 5140' Western acidized w/3000 gals
7.5% HCl acid.

FRAC JOB

4026'- 4348' Western Frac w/31,500 gals gel,
47,000# 20-40 mesh & 20,000# 10-20 mesh sand,
avg. 31 BPM @ 2200 psig,swab 24 BPH w/10% oi
Chlorides @ 10,300 ppm, RW = .37 @ 71 Deg.F.
4954'- 5140' Western Frac w/31,500 gals gel,
47,000# 20-40 mesh & 25,000# 10-20 mesh sand,
avg. 30 BPM @ 1950 psig,swab 4 BPH.

PERFORATION RECORD

4026'- 4038' KB Squeezed
4070', 4072' KB Squeezed
4344',4346',4348' KB (3 shots)
4944'- 4946' KB Squeezed
4954'- 4959' KB (5 Shots)
5075', 5077' KB (2 SHOTS)
5085'- 5090' KB (7 SHOTS)
5137, 5140' KB (2 Shots)
Cement Retainer @ 5190' KB
5204'- 5206' KB Squeezed

Squeezed =

=

Squeezed =

=

=

=

Squeezed =

=

← SN @ 5107' KB

← Cement Retainer @ 5190' KB

PBTD @ 5707' KB
TD @ 5750' KB

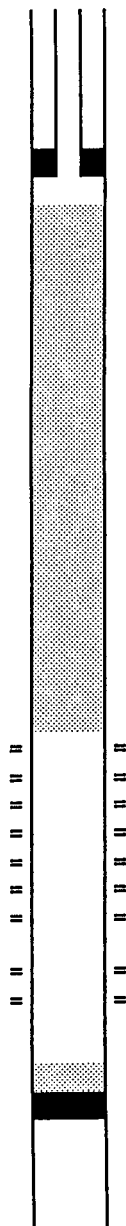
Federal #2-1
Monument Butte Field
Jonah Unit
NE NE Sec.1,T9S,R16E
Duchesne County,Utah

Squeeze Job on YELLOW1 Perfs

Balcron Oil
10-29-93 JZ

Project: Squeeze off the upper perforations (YELLOW1 ZONE) of the Green River Formation
from 4026'- 4038' KB (7 Shots) & 4070'- 7072' KB (2 Shots).
Cement w/100 sx Class-G, 0.5% TF-4 (Dispersent), & 0.3% CF-14 (Water Loss Additive).

Note: Pump test w/Hot Oiler - Pumped 25 STB @ 1 STBPM w/zero psig,
- Pumped 10 STB @ 2.6 STBPM w/500 psig.



5 1/2",J-55,15.5# Csg @ .0238 STB/Ft

2 7/8",J-55,6.5# Tbg @ .00592 STB/Ft

Packer @ 3234' KB

Cement Data

Squeeze w/ 100 sx @ 0.99 cu.ft/sx

Cement Volume = 99 cu.ft = 17.66 bbls

Height in Csg = 742 ft

Set PKR 792 ft above top perforation.

Set PKR @ 3234' KB (+ or -)

Displacement Data

Volume To Displace Tbg = 19.1 bbls

Volume to put cement @ perfs = 20.29 bbls

Volume to clear cement from Csg = 39 bbls
(Displacement to bottom perforation)

4026' KB

4038' KB

4070' KB

4072' KB

15' Sand
RBP @ 4132' KB

WELL NAME: Balcron Monument Federal #42-1J
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-40652
 LOCATION: SE NE Sec.1, T9S, R16E
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 12-11-93
 INITIAL PRODUCTION: 80 STBOPD, 400 MCFPD, 20 STBWD
 OIL/GAS PURCHASER: Amoco-Oil
 PRESENT PROD STATUS: Producing
 ELEVATIONS - GROUND: 5380'
 TOTAL DEPTH: 5850'

DATE: 4-4-94 JZ
 API NO.: 43-013-31404

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 10-19-93
 RIG RELEASE DATE: 11-14-93
 OIL GRAVITY: 43 API
 BHT:
 KB: 5390' KB (10' KB)
 PLUG BACK TD: 5761.5'

SURFACE CASING

 STRING: #1
 SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 346'
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 356' KB
 CEMENT DATA: 180 sxs Class "G" w/additives.

PRODUCTION CASING

 STRING: #1
 SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 5799'
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5809' KB
 CEMENT DATA: 112 sxs Thrifty-lite &
 tail w/258 sxs 50-50 POZ.

CEMENT TOP AT:

TUBING RECORD

 SIZE/GRADE/WT: 2 7/8", J-55, 6.5#
 NO. OF JOINTS: 171 jnts @ 5322'
 TUBING ANCHOR: N/A
 NO. OF JOINTS: N/A
 SEATING NIPPLE: 2-7/8" x 1.1' (ID @ 2.25")
 PERF. SUB: 2-7/8" x 3'
 MUD ANCHOR: 2-7/8" x 31' w/NC
 TOTAL STRING LENGTH: 5357'
 SN LANDED AT: 5323' KB

PERFORATION RECORD

 4779' - 4782' (3') 2 SPF RED1
 4935' - 4938' (3') 2 SPF RED5
 5081' - 5086' (5') 2 SPF GREEN1
 5292' - 5296' (4') 2 SPF GREEN5

ACID JOB

 N/A

SUCKER ROD RECORD

 1 - 1-1/4" x 22' Polish Rod
 1 - 3/4" x 8' Pony
 212 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC
 w/Ringed PA Plunger, Trico.
 STROKE LENGTH: 82"
 PUMP SPEED, SPM: 5 SPM
 PUMPING UNIT SIZE: American D-228
 S/N D228-G-3837
 ENGINE DATA: Ajax E-42, S/N 69880

FRAC JOB

 5081'-86' & 5292'-96': 15,000 lbs 20/40 sand
 & 12,000 lbs 16/30 sand
 in 403 bbls 2% KCL water.
 4779'-82' & 4935'-38': 18,100 lbs 16/30 sand
 in 261 bbls 2% KCL water.

Balcron Monument Federal #42-1J
SE NE Sec.1, T9S, R16E
Lease No. U-40652
Jonah Unit / Monument Butte Field
Duchesne County, Utah

BALCRON OIL
4-4-94 JZ

WELLBORE DIAGRAM

SURFACE CASING

8-5/8", J-55, 24#
Seven joints @ 346'
Landed @ 356' KB.
Cemented w/180 sxs "G" w/additives.
Cemented to surface.
Hole size 12-1/4".

<- 366' KB.

FRAC JOB

5081'-86' & 5292'-96': Frac w/15,000#
20/40 sand and 12,000# 16/30 sand
in 403 bbls 2% KCL water.

4779'-82' & 4935'-38': Frac w/18,000#
16/30 sand in 261 bbls 2% KCL water.

PRODUCTION CASING

5-1/2", K-55, 15.5#
131 joints @ 5799'
Landed @ 5809' KB
Cemented w/112 sxs Thrifty-lite &
tailed w/258 sxs 50-50 POZ.
Cement top @
Hole size 7-7/8".

TUBING

2-7/8", J-55, 6.5#
172 joints @ 5322'
SN 2-7/8" x 1.1' (ID @ 2.25")
Perf Sub 2-7/8" x 3'
MA 2-7/8" x 31' w/NC
Total String Length @ 5357'
SN Landed @ 5323' KB

SUCKER ROD RECORD

1 - 1-1/4" x 22' Polish Rod
1 - 3/4" x 8' Pony
212 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC
w/Ringed PA Plunger, Trico.
STROKE LENGTH: 82"
PUMP SPEED, SPM: 5 SPM
PUMPING UNIT: American D-228
S/N D228-G-3837
ENGINE DATA: Ajax E-42, S/N 69880

PERFORATION RECORD

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

<- SN Landed @ 5323' KB

PBTD @ 5761.5'
TD @ 5850'

BALCRON OIL

WELL REPORT

WELL NAME: Monument Butte Federal #1-13
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-18399
 LOCATION: NW SW Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 1/12/83
 INITIAL PRODUCTION: 265 STBOPD, 100 MCFPD, 0 STBWPD
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 7 STBOPD, 50 MCFPD
 ELEVATIONS - GROUND: 5488'
 TOTAL DEPTH: 6200'KB

DATE: 4-4-94 JZ
 API NO.: 43-013-30702

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 12/2/82
 OIL GRAVITY: 34 API
 BHT: 133 Deg.F
 KB: 5500' (12'KB)
 PLUG BACK TD: 5950'KB

SURFACE CASING

STRING: 1
 SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts @ 299'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 311'KB
 CEMENT DATA: 225 sx, Class G
 Cement to surface

PRODUCTION CASING

STRING:	1	2
SIZE:	5 1/2"	5 1/2"
GRADE:	J-55	J-55
WEIGHT:	15.5 lbs	14 lbs
LENGTH:	15 jts	132 jts
HOLE SIZE:	7 7/8"	
DEPTH LANDED:	6002'KB	
CEMENT DATA:	360 sx, BJ Lite	
	525 sx, Class G	
CEMENT TOP AT:	1800' from CBL	

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs
 NO. OF JOINTS: 134 jts @ 4273'
 TUBING ANCHOR: 2 7/8" x 5 1/2" x 2.75'
 NO. OF JOINTS: 33 jts @ 1131'
 SEATING NIPPLE: 2 7/8" x 1.10'
 PERF. SUB: 2 7/8" x 3.20'
 MUD ANCHOR: 2 7/8" x 33'
 TOTAL STRING LENGTH: 5444'
 SN LANDED AT: 5420' KB

PERFORATION RECORD

4307'-4318' (11') 2 SPF	YELLOW3
4324'-4327' (3') 2 SPF	YELLOW3
4966'-4969' (3') 1 SPF	RED5
5083'-5087' (4') 1 SPF	GREEN1
5092'-5095' (3') 1 SPF	GREEN1
5106'-5113' (7') 1 SPF	GREEN1
5279'-5283' (4') 1 SPF	GREEN4
5404'-5409' (5') 2 SPF	GREEN6
5436'-5446' (10') 2 SPF	GREEN6

SUCKER ROD RECORD

1 - 1 1/2" X 22' Polish Rod
 1 - 4' x 7/8" Pony
 1 - 2' x 3/4" Pony
 2 - 4' x 3/4" Pony
 1 - 6' x 3/4" Pony
 210 - 3/4" x 25' Slick Rods
 4 - 1 1/2" x 25' Slick Rods

PUMP SIZE: 2 1/2" x 1 1/4" x 17' RHAC
 STROKE LENGTH: 126"
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

LOGS: Compensated Neutron-Formation Density,
 Dual Induction-SFL, Cement Bond Log,
 Radioactivity Log.

FRAC JOB

4966'-5283', Frac w/Halliburton on 1-10-83.
 47000 gal x-linked gel w/200800 lbs 20-40
 sand. avg. 60 BPM @ 2770 psig, max @ 2900 psig,
 ISIP @ 2070 psig, 5 min @ 1890 psig, 15 min
 @ 1860 psig.
 5404'-5446', Frac w/Halliburton on 4-23-83.
 21500 gal Versagel & 91000 lbs 20-40 sand.
 Avg. 20 BPM @ 4417 psig, max @ 4720 psig,
 ISIP @ 2610 psig, 5 min @ 2420 psig, 10 min @
 2350 psig, 15 min @ 2190 psig.
 4307'-4327', Frac w/Halliburton on 5-26-83.
 26000 gal gel water w/122000 lbs 20-40 sand.
 Avg. 20 BPM @ 2045 psig, max @ 2280 psig,
 ISIP @ 2100 psig, 15 min @ 1730 psig.

Monument Butte Federal #1-13
NW SW Sec.1,T9S,R16E
Lease No. U-18399
Monument Butte Field
Duchesne County,Utah
Jonah Unit

BALCRO
4-4-94 JZ

Wellbore Diagram

SURFACE CASING

8 5/8", K-55, 24#
7 jts @ 299'
Landed @ 311'KB
Cemented w/225 sx, Class G
Cement to surface
Hole Size @ 12 1/4"

<- 311' KB

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
147 jts @ 5990'
Landed @ 6002'KB
Cemented w/360 sx, BJ Lite &
525 sx, Class G
Cement Top @ 1800' from CBL
Hole Size @ 7 7/8"

FRAC JOB

4966'-5283', Frac w/Halliburton on 1-10-83.
47000 gal x-linked gel w/200800 lbs 20-40
sand. avg. 60 BPM @ 2770 psig, max @ 2900 psig,
ISIP @ 2070 psig, 5 min @ 1890 psig, 15 min
@ 1860 psig.
5404'-5446', Frac w/Halliburton on 4-23-83.
21500 gal Versagel & 91000 lbs 20-40 sand.
Avg. 20 BPM @ 4417 psig, max @ 4720 psig,
ISIP @ 2610 psig, 5 min @ 2420 psig, 10 min @
2350 psig, 15 min @ 2190 psig.
4307'-4327', Frac w/Halliburton on 5-26-83.
26000 gal gel water w/122000 lbs 20-40 sand.
Avg. 20 BPM @ 2045 psig, max @ 2280 psig,
ISIP @ 2100 psig, 15 min @ 1730 psig.

TUBING RECORD

2 7/8", J-55, 6.5#
134 jts @ 4273'
TA @ 2 7/8" x 5 1/2" x 2.75'
33 jts @ 1131'
SN @ 2 7/8" x 1.10'
Perf Sub. @ 2 7/8" x 3.20'
Mud Anchor @ 2 7/8" x 33'
Total String Length @ 5444'
SN Landed @ 5420' KB

PERFORATION RECORD

4307'-4318' (11') 2 SPF	YELLOW3
4324'-4327' (3') 2 SPF	YELLOW3
4966'-4969' (3') 1 SPF	RED5
5083'-5087' (4') 1 SPF	GREEN1
5092'-5095' (3') 1 SPF	GREEN1
5106'-5113' (7') 1 SPF	GREEN1
5279'-5283' (4') 1 SPF	GREEN4
5404'-5409' (5') 2 SPF	GREEN6
5436'-5446' (10') 2 SPF	GREEN6

SUCKER ROD RECORD

1 - 1 1/2" X 22' Polish Rod
1 - 4' x 7/8" Pony
1 - 2' x 3/4" Pony
2 - 4' x 3/4" Pony
1 - 6' x 3/4" Pony
210 - 3/4 " x 25' Slick Rods
4 - 1 1/2" x 25' Slick Rods

<- SN Landed @ 5420' KB

PUMP SIZE: 2 1/2" x 1 1/4" x 17' RHAC
STROKE LENGTH: 126"
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

PBTD @ 5950'KB
TD @ 6200'KB

BALCRON OIL

WELL REPORT

WELL NAME: Monument Butte Federal #1-14
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-18399
 LOCATION: SW SW Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 12/24/82
 INITIAL PRODUCTION: 162 STBOPD, 100 MCFPD, 0 STBWPD
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 4 STBOPD, 0 MCFPD, 7 STBWPD
 ELEVATIONS - GROUND: 5472'
 TOTAL DEPTH: 6200' KB

DATE: 3-31-94 JZ

API NO.: 43-013-30703

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas

SPUD DATE: 11/17/82
 OIL GRAVITY: 39 API
 BHT: 135 Deg.F

KB: 5488' (16'KB)
 PLUG BACK TD: 5540' KB

SURFACE CASING

STRING: 1
 SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 8 jts @ 323'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 339' KB
 CEMENT DATA: 225 sx, Class G

PRODUCTION CASING

STRING: 1
 SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5 lbs
 LENGTH: 151 jts @ 5574'
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 5590' KB
 CEMENT DATA: 325 sx, BJ Lite &
 500 sx, Class G
 CEMENT TOP AT: 1465' KB from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs
 NO. OF JOINTS: 135 jnts @ 4379'
 TUBING ANCHOR: 2 7/8" x 2.35' Baker
 NO. OF JOINTS: 27 jnts @ 864'
 SEATING NIPPLE: 2 7/8" x 1.1' (ID @ 2.25")
 PERF. SUB: 2 7/8" x 3'
 MUD ANCHOR: 2 7/8" x 32.5' w/NC
 TOTAL STRING LENGTH: 5282'
 SN LANDED AT: 5262' KB
 Note: Set TA w/24" stretch.

PERFORATION RECORD

4485'- 4491' (6') 1 SPF	YELLOW4
4514'- 4524' (10') 1 SPF	YELLOW5
4772'- 4776' (4') 4 SPF	RED1
5250'- 5258' (8') 2 SPF	GREEN4

FRAC JOB

4485'- 4524', Frac w/Halliburton on 12/21/82.
 28000 gal X-linked gel w/137000 lbs 20-40 mesh
 sand. Avg 35 BPM @ 2305 psig, max @ 2470 psig,
 ISIP @ 2140 psig, 5 min @ 2030 psig, 10 min
 @ 1960 psig, 15 min @ 1920 psig.
 4772'- 4776', Frac w/Halliburton on 12/16/82.
 10500 gal X-linked gel w/45000 lbs 20-40 mesh
 sand. Avg 25 BPM @ 2183 psig, max @ 2400 psig,
 ISIP @ 1950 psig, 5 min @ 1820 psig, 10 min
 @ 1750 psig, 15 min @ 1740 psig.
 5250'- 5258', Frac w/Halliburton on 12/13/82.
 19000 gal X-linked gel w/50000 lbs 20-40 mesh
 sand. Avg 20 BPM @ 1730 psig, max @ 1840 psig,
 15 min SI @ 1070 psig.

SUCKER ROD RECORD

1 - 22' x 1 1/4" Polished Rod (SM End)
 1 - 3/4" x 6' Pony
 209 - 3/4" x 25' Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC
 w/ringed PA plunger.
 Trico Pump No.1029
 STROKE LENGTH: 86"
 PUMP SPEED: 4.5 SPM
 PUMPING UNIT SIZE: Lufkin LM-228D-213-86T
 SN B129379A 525034
 ENGINE SIZE: Ajax E-42, SN 51384

LOGS: Cement Bond Log, Dual Induction-SFL, Compensated Neutron-Formation Density Log.

Monument Butte Federal #1-14
SW SW Sec.1, T9S, R16E
Lease No. U-18399
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Balcron Oil
3-31-94 JZ

Wellbore Diagram

Elev.GR @ 5472'
Elev.KB @ 5488' (16' KB)

SURFACE CASING

8 5/8", J-55, 24#
8 jts @ 323'
Landed @ 339' KB
Cemented w/225 sx, Class G
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5#
151 jts @ 5574'
Landed @ 5590' KB
Cemented w/325 sx, BJ Lite &
500 sx, Class G
Cement Top @ 1465' KB from CBL
Hole Size @ 7 7/8"

TUBING RECORD

2 7/8", J-55, 6.5#
135 jnts @ 4379'
TA 2 7/8" x 2.35' Baker
27 jnts @ 864'
SN 2 7/8" x 1.1' (ID @ 2.25")
Perf Sub 2 7/8" x 3'
MA 2 7/8" x 32.5' w/NC
Total String Length @ 5282'
SN Landed @ 5262' KB

SUCKER ROD RECORD

1 - 22' x 1 1/4" Polished Rod (SM End)
1 - 3/4" x 6' Pony
209 - 3/4" x 25' Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC
w/ringed PA plunger.
Trico Pump No.1029

STROKE LENGTH 86"

PUMP SPEED: 4.5 SPM
PUMPING UNIT: Lufkin LM-228D-213-86T
SN B129379A 525034
ENGINE SIZE: Ajax E-42, SN 51384

<- 339' KB

FRAC JOB

4485'- 4524', Frac w/Halliburton on 12/21/82.
28000 gal X-linked gel w/137000 lbs 20-40 mesh
sand. Avg 35 BPM @ 2305 psig, max @ 2470 psig,
ISIP @ 2140 psig, 5 min @ 2030 psig, 10 min
@ 1960 psig, 15 min @ 1920 psig.
4772'- 4776', Frac w/Halliburton on 12/16/82.
10500 gal X-linked gel w/45000 lbs 20-40 mesh
sand. Avg 25 BPM @ 2183 psig, max @ 2400 psig,
ISIP @ 1950 psig, 5 min @ 1820 psig, 10 min
@ 1750 psig, 15 min @ 1740 psig.
5250'- 5258', Frac w/Halliburton on 12/13/82.
19000 gal X-linked gel w/50000 lbs 20-40 mesh
sand. Avg 20 BPM @ 1730 psig, max @ 1840 psig,
15 min SI @ 1070 psig.

PERFORATION RECORD

4485'- 4491' (6')	1 SPF	YELLOW4
4514'- 4524' (10')	1 SPF	YELLOW5
4772'- 4776' (4')	4 SPF	RED1
5250'- 5258' (8')	2 SPF	GREEN4

<- SN @ 5262' KB

PBTD @ 5540' KB
TD @ 6200' KB

BALCRON OIL**WELL REPORT**

WELL NAME: Monument Butte Federal #1-23
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-18399
 LOCATION: NE SE Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 12/6/82
 INITIAL PRODUCTION: 156 STBOPD, 100 MCFPD, 0 STBW
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 3 STBOPD, 23 MCFPD
 ELEVATIONS - GROUND: 5432'
 TOTAL DEPTH: 6200' KB

DATE: 4-4-94 JZ
 API NO.: 43-013-30646

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 3/19/82
 OIL GRAVITY: 30 API
 BHT: 139 Deg.F

KB: 5442' (10' KB)
 PLUG BACK TD: 6150' KB

SURFACE CASING

STRING: 1
 SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 6 jts @ 246'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 256'KB
 CEMENT DATA: 150 sx, Class G
 Cement to surface

PRODUCTION CASING

STRING:	<u>1</u>	<u>2</u>
SIZE:	5 1/2"	5 1/2"
GRADE:	J-55	J-55
WEIGHT:	15.5 lbs	14 lbs
LENGTH:	633'	5557'
HOLE SIZE:	7 7/8"	
DEPTH LANDED:	6200'KB	
CEMENT DATA:	365 sx, BJ Lite & 625 sx, Class G	
CEMENT TOP AT:	1890' from CBL	

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs.
 NO. OF JOINTS: 144 jts @ 4748'
 TUBING ANCHOR: 2 7/8" x 5 1/2" x 4'
 NO. OF JOINTS: 16 jts @ 528'
 SEATING NIPPLE: 2 7/8" x 1.1'
 PERF. SUB: 2 7/8" x 3'
 MUD ANCHOR: 2 7/8" x 33'
 TOTAL STRING LENGTH: 5317'
 SN LANDED AT: 5291' KB

PERFORATION RECORD

4771'- 4775' (4') 1 SPF
 4936'- 4950' (8') 1 SPF*
 5058'- 5066' (8') 1 SPF
 5276'- 5281' (5') 1 SPF

*Perf @ 4936'- 4944' 9 holes on Petro-log.
 Perf @ 4942'- 4950' on Schlumberger Log.
 Reshoot top 6' to Schlumberger log.

ACID JOB

5276'- 5281' 500 gal 7.5% HCl Acid.

SUCKER ROD RECORD

1 - 1 1/2" x 22' Polish Rod
 2 - 7/8" x 4' Pony
 2 - 7/8" x 6' Pony
 202 - 3/4" x 25' Rods
 7 - 1 1/2" x 25' Weighted Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' BHDP
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

FRAC JOB

4771'- 4950', Frac w/Halliburton on 11/22/82.
 22000 gal X-linked gel w/92000 lbs 20-40 mesh
 sand. Avg 30 BPM @ 2348 psig, max @ 2660 psig,
 ISIP @ 1940 psig, 5 min @ 1800 psig, 10 min
 @ 1780 psig, 15 min @ 1750 psig.
 5058'- 5281', Frac w/Halliburton on 11/14/82.
 21000 gal X-linked gel w/84000 lbs 20-40 mesh
 sand. Avg 30 BPM @ 2692 psig, max @ 3100 psig,
 ISIP @ 2150 psig, 5 min @ 1970 psig, 10 min
 @ 1950 psig, 15 min @ 1920 psig.

LOGS: Dual Induction-SFL, Cement Bond Log,
 Compensated Neutron-Formation Density Log.

Monument Butte Federal #1-23
NE SE Sec.1,T9S,R16E
Lease No. U-18399
Monument Butte Field
Duchesne County,Utah
Jonah Unit

BALCRON OIL
4-4-94 JZ

Wellbore Diagram

Elev.GR @ 5432'
Elev.KB @ 5442' (10' KB)

SURFACE CASING

8 5/8", 24#
6 jts @ 246'
Landed @ 256'KB
Cemented w/150 sx, Class G
Cement to surface
Hole Size @ 12 1/4"

<- 256' KB

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
154 jts @ 6190'
Landed @ 6200'KB
Cemented w/365 sx, BJ Lite &
625 sx, Class G
Cement top @ 1890' from CBL
Hole Size @ 7 7/8"

ACID JOB

5276'-5281' 500 gal 7.5% HCl Acid.

FRAC JOB

4771'- 4950', Frac w/Halliburton on 11/22/82.
22000 gal X-linked gel w/92000 lbs 20-40 mesh
sand. Avg 30 BPM @ 2348 psig, max @ 2660 psig,
ISIP @ 1940 psig, 5 min @ 1800 psig, 10 min
@ 1780 psig, 15 min @ 1750 psig.
5058'- 5281', Frac w/Halliburton on 11/14/82.
21000 gal X-linked gel w/84000 lbs 20-40 mesh
sand. Avg 30 BPM @ 2692 psig, max @ 3100 psig,
ISIP @ 2150 psig, 5 min @ 1970 psig, 10 min
@ 1950 psig, 15 min @ 1920 psig.

TUBING RECORD

2 7/8", J-55, 6.4#
144 jts. @ 4748'
Tubing Anchor - 2 7/8" x 5 1/2" x 4'
16 jts @ 528'
SN - 2 7/8" x 1.1'
Perf. Sub - 2 7/8" x 3'
Mud Anchor - 2 7/8" x 33'
Total String Length @ 5317'
SN Landed @ 5291' KB

PERFORATION RECORD

4771'- 4775' (4') 1 SPF
4936'- 4950' (8') 1 SPF*
5058'- 5066' (8') 1 SPF
5276'- 5281' (5') 1 SPF

*Perf @ 4936'-4944' 9 holes on Petro-log.
Perf @ 4942'-4950' on Schlumberger Log.
Reshoot top 6' to Schlumberger log.

SUCKER ROD RECORD

1 - 1 1/2" x 22' Polish Rod
2 - 7/8" x 4' Pony
2 - 7/8" x 6' Pony
202 - 3/4" x 25' Rods
7 - 1 1/2" x 25' Weighted Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' BHDP
STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

<- SN @ 5291' KB

PBTD @ 6150'KB
TD @ 6200'KB

BALCRON OIL

WELL REPORT

WELL NAME: Monument Butte Federal #1-24
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-18399
 LOCATION: SE SW Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 2/2/83
 INITIAL PRODUCTION: 62 STBOPD, 75 MCFPD, 40 STBWP
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 1 STBOPD, 7 MCFPD
 ELEVATIONS - GROUND: 5459'
 TOTAL DEPTH: 6200'KB

DATE: 4-4-94 JZ

API NO.: 43-013-30701

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas

SPUD DATE: 12/11/82

OIL GRAVITY: 34 API

BHT: 136 Deg.F

KB: 5474.5 (15.5'KB)

PLUG BACK TD: 6120'KB

SURFACE CASING

STRING: 1
 SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 7 jts @ 274'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 289'KB
 CEMENT DATA: 225 sx, Class G
 Cement to surface

PRODUCTION CASING

STRING: 1 2
 SIZE: 5 1/2" 5 1/2"
 GRADE: J-55 J-55
 WEIGHT: 15.5 lbs 14 lbs
 LENGTH: 472' 5693'
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 6170'KB
 CEMENT DATA: 480 sx, BJ Lite &
 650 sx, Class G
 CEMENT TOP AT: 1600' from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#
 NO. OF JOINTS: 134 jts. @ 4163'
 TUBING ANCHOR: 2 7/8" x 5 1/2" x 4'
 NO. OF JOINTS: 48 jts. @ 1488'
 SEATING NIPPLE: 2 7/8" x 1.1'
 PERF. SUB: 2 7/8" x 4'
 MUD ANCHOR: 2 7/8" x 31'
 TOTAL STRING LENGTH: 5691'
 SN LANDED AT: 5672' KB

PERFORATION RECORD

4205'-4212' (7') 1 SPF	YELLOW2
4285'-4287' (2') 1 SPF	YELLOW3
4299'-4304' (5') 1 SPF	YELLOW3
4578'-4586' (8') 2 SPF	YELLOW6
4767'-4771' (4') 2 SPF	RED1
5219'-5221' (2') 1 SPF	GREEN3
5245'-5248' (3') 1 SPF	GREEN4
5835'-5838' (3') 1 SPF	BLUE4
5928'-5942' (14') 1 SPF	BLUE4

SUCKER ROD RECORD

1 - 1 1/2" x 22' Polish Rod
 227 - 3/4" x 25' Plain & HBS Rods
 1 - 3/4" x 2' Pony HBS

PUMP SIZE: 2 1/2" x 1 1/4" x 17' RHAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

LOGS: Dual Induction-SFL, Schlumberger Cyberlook,
 Compensated Neutron-Formation Density,
 Cement Bond Log.

FRAC JOB

4205'-4304', Frac w/Halliburton on 1/25/83.
 51500 gal X-linked Gel w/142000 lbs 20-40
 sand. Avg. 30 BPM @ 2442 psig, max @ 2590 psig,
 ISIP @ 2230 psig, 5 min @ 1950 psig, 10 min
 @ 1860 psig, 15 min @ 1800 psig.
 4578'-4586', Frac w/Halliburton on 1/19/83.
 22720 gal X-linked Gel w/57500 lbs 20-40
 sand. Avg. 26 BPM @ 2571 psig, max @ 2910 psig,
 ISIP @ 2220 psig, 5 min @ 2080 psig, 10 min @
 2030 psig, 15 min @ 2000 psig.
 4767'-5221', Frac w/Halliburton on 1/14/83.
 26900 gal X-linked Gel w/61500 lbs 20-40
 sand. Avg. 35 BPM @ 2973 psig, max @ 3250 psig,
 ISIP @ 1970 psig, 5 min @ 1860 psig, 10 min @
 1780 psig, 15 min @ 1740 psig.
 5835'-5942', Frac w/Halliburton on 1/9/83.
 36000 gal X-linked Gel w/89000 lbs 20-40
 sand. Avg. 30 BPM @ 2566 psig, max @ 2960 psig,
 ISIP @ 2020 psig, 5 min @ 1830 psig, 10 min @
 1770 psig, 15 min @ 1700 psig.

Monument Butte Federal #1-24
SE SW Sec. 1, T9S, R16E
Lease No. U-18399
Monument Butte Field
Duchesne County, Utah
Jonah Unit

BALCRON OIL
4-4-94 JZ

Wellbore Diagram

SURFACE CASING

8 5/8", J-55, 24#
7 jts @ 274'
Landed @ 289'KB
Cemented w/225 sx, Class G
Cement to surface
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
12 jts 15.5# @ 472'
136 jts 14# @ 5693'
Landed @ 6170'KB
Cemented w/480 sx, BJ Lite &
650 sx, Class G
Cement Top @ 1600' from CBL
Hole Size @ 7 7/8"

TUBING RECORD

2 7/8", J-55, 6.5#
134 jts @ 4163'
Tbg Anchor - 2 7/8" x 5 1/2" x 4'
48 jts @ 1488'
SN - 2 7/8" x 1.1'
Perf. Sub - 2 7/8" x 4'
Mud Anchor - 2 7/8" x 31'
Total String Length @ 5691'
SN Landed @ 5672' KB

SUCKER ROD RECORD

1 - 1 1/2" x 22' Polish Rod
227 - 3/4" x 25' Plain & HBS Rods
1 - 3/4" x 2' Pony HBS

PUMP SIZE: 2 1/2" x 1 1/4" x 17' RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

FRAC JOB

4205'-4304', Frac w/Halliburton on 1/25/83.
51500 gal X-linked Gel w/142000 lbs 20-40
sand. Avg. 30 BPM @ 2442 psig, max @ 2590 psig,
ISIP @ 2230 psig, 5 min @ 1950 psig, 10 min
@ 1860 psig, 15 min @ 1800 psig.
4578'-4586', Frac w/Halliburton on 1/19/83.
22720 gal X-linked Gel w/57500 lbs 20-40
sand. Avg. 26 BPM @ 2571 psig, max @ 2910 psig,
ISIP @ 2220 psig, 5 min @ 2080 psig, 10 min @
2030 psig, 15 min @ 2000 psig.
4767'-5221', Frac w/Halliburton on 1/14/83.
26900 gal X-linked Gel w/61500 lbs 20-40
sand. Avg. 35 BPM @ 2973 psig, max @ 3250 psig,
ISIP @ 1970 psig, 5 min @ 1860 psig, 10 min @
1780 psig, 15 min @ 1740 psig.
5835'-5942', Frac w/Halliburton on 1/9/83.
36000 gal X-linked Gel w/89000 lbs 20-40
sand. Avg. 30 BPM @ 2566 psig, max @ 2960 psig,
ISIP @ 2020 psig, 5 min @ 1830 psig, 10 min @
1770 psig, 15 min @ 1700 psig.

PERFORATION RECORD

4205'-4212' (7') 1 SPF	YELLOW2
4285'-4287' (2') 1 SPF	YELLOW3
4299'-4304' (5') 1 SPF	YELLOW3
4578'-4586' (8') 2 SPF	YELLOW6
4767'-4771' (4') 2 SPF	RED1
5219'-5221' (2') 1 SPF	GREEN3
5245'-5248' (3') 1 SPF	GREEN4
5835'-5838' (3') 1 SPF	BLUE4
5928'-5942' (14') 1 SPF	BLUE4

<-- SN Landed @ 5672" KB

PBTD @ 6120'KB
TD @ 6200'KB

BALCRON OIL

WELL NAME: Monument Butte Federal #1-33
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-52013
 LOCATION: NW SE Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 6/16/83
 INITIAL PRODUCTION: 110 STBOPD, 50 MCFPD, 0 STWPD
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 4 STBOPD, 24 MCFPD
 ELEVATIONS - GROUND: 5417'
 TOTAL DEPTH: 6200' KB

SURFACE CASING

STRING: 1
 SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts @ 284'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 304' KB
 CEMENT DATA: 225 sxs, Class G
 Cemented to Surface

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.4 lbs.
 NO. OF JOINTS: 136 jts @ 4248'
 TUBING ANCHOR: 2 7/8" x 5 1/2" x 4'
 NO. OF JOINTS: 54 jts @ 1686'
 SEATING NIPPLE: 2 7/8" x 1.10"
 PERF. SUB: 2 7/8" x 3"
 MUD ANCHOR: 2 7/8" x 30'
 TOTAL STRING LENGTH: 5972'
 SN LANDED AT: 5959' KB

SUCKER ROD RECORD

1 - 22' x 1 1/2" Polished Rod
 1 - 4' x 3/4" Pony Rod
 1 - 6' x 3/4" Pony Rod
 1 - 8' x 3/4" Pony Rod
 227 - 3/4" Rods
 7 - 1 1/2" Sinker Bars

PUMP SIZE: 2 1/2" x 1 1/2" x 16' BHPD
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

LOGS: Dual Induction-SFL, Electromagnetic
 Propagation, Temperature Survey Log,
 Cement Bond Log, Compensated Neutron-
 Litho Density.

WELL REPORT

DATE: 4-4-94 JZ
 API NO.: 43-0133-0735

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 4/27/83
 OIL GRAVITY: 34 API
 BHT: 135 Deg.F

KB: 5437' (20' KB)
 PLUG BACK TD: 6030' KB

PRODUCTION CASING

STRING: 1 2
 SIZE: 5 1/2" 5 1/2"
 GRADE: J-55 J-55
 WEIGHT: 15.5 lbs 14 lbs
 LENGTH: 519' 5578'
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 6120' KB
 CEMENT DATA: 390 sx, BJ Lite
 710 sx, Class G
 CEMENT TOP AT: 1880' KB from CBL

PERFORATION RECORD

4275'-4277' (2') 3 SPF	YELLOW 3 ZONE
4281'-4286' (5') 3 SPF	YELLOW 3 ZONE
4313'-4319' (6') 3 SPF	YELLOW 3 ZONE
4778'-4781' (3') 2 SPF	RED 1 ZONE
4819'-4822' (3') 2 SPF	RED 2 ZONE
4827'-4830' (3') 2 SPF	RED 2 ZONE
5922'-5924' (2') 3 SPF	BLUE 4 ZONE
5931'-5935' (4') 3 SPF	BLUE 4 ZONE

ACID JOB

4778'-4830', 500 gal 7.5% HCl Acid & 15 balls.

FRAC JOB

4275'-4319', Frac w/Dowell on 6/12/83.
 32600 gal YF4G w/70000 lbs 20-40 sand & 2000
 lbs 100 mesh sand. Avg 17.8 BPM @ 2100 psig,
 max @ 2400 psig. ISIP @ 2000 psig, 5 min @
 1840 psig, 10 min @ 1800 psig, 15 min @ 1750 psig.
 4778'-4830', Frac w/Dowell on 6-9-83.
 29100 gal YF4G w/50000 lbs 20-40 sand & 2000
 lbs mesh sand. Avg 20 BPM @ 1857 psig, max @
 @ 2000 psig, ISIP @ 2000 psig, 5 min @ 1700 psig,
 10 min @ 1670 psig, 15 min @ 1620 psig.
 5922'-5935', Frac w/Dowell on 6-7-83.
 31,700 gal YF4G w/50000 lbs 20-40 sand & 2000
 lbs 100 mesh sand. Avg 20 BPM @ 2300 psig, max
 @ 3300 psig. ISIP @ 2100 psig, 5 min @ 1800 psig,
 10 min @ 1750 psig, 15 min @ 1720 psig.

Monument Butte Federal #1-33
NW SE Sec.1,T9S,R16E
Lease No. U-52013
Monument Butte Field
Duchesne County,Utah
Jonah Unit

BALCRON OIL
4-4-94 JZ

Wellbore Diagram

SURFACE CASING

8 5/8", K-55, 24#
7 jts @ 284'
Landed @ 304'KB
Cemented w/225 sxs, Class G
Cemented to surface
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
12 jts 15.5# @ 519'
126 jts 14# @ 5578'
Landed @ 6120'KB
Cemented w/390 sx, BJ Lite &
710 sx, Class G
Cement Top @ 1880' from CBL
Hole Size @ 7 7/8"

TUBING

2 7/8", J-55, 6.4#
136 jts. @ 4248'
Tubing Anchor @ 2 7/8" x 5 1/2" x 4.0'
54 jts @ 1686'
SN @ 2 7/8" x 1.10"
Perf Sub @ 2 7/8" x 3"
Mud Anchor @ 2 7/8" x 30'
Total String Length @ 5972'
SN Landed @ 5959'KB

SUCKER ROD RECORD

1 - 22' x 1 1/2" Polished Rod
1 - 4' x 3/4" Pony Rod
1 - 6' x 3/4" Pony Rod
1 - 8' x 3/4" Pony Rod
227 - 3/4" Rods
7 - 1 1/2" Sinker Bars

PUMP SIZE: 2 1/2" x 1 1/2" x 16' BHDP
STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

<- 304' KB

ACID JOB

4778'-4830', 500 gal 7.5% HCl Acid &
15 balls. Treated @ 2400 psig @ 5 BPM.
ISIP @ 1500 psig.

FRAC JOB

4275'-4319', Frac w/Dowell on 6/12/83.
32600 gal YF4G w/70000 lbs 20-40 sand & 2000
lbs 100 mesh sand. Avg 17.8 BPM @ 2100 psig,
max @ 2400 psig. ISIP @ 2000 psig, 5 min @
1840 psig, 10 min @ 1800 psig, 15 min @ 1750 psig.
4778'-4830', Frac w/Dowell on 6-9-83.
29100 gal YF4G w/50000 lbs 20-40 sand & 2000
lbs mesh sand. Avg 20 BPM @ 1857 psig, max @
@ 2000 psig, ISIP @ 2000 psig, 5 min @ 1700 psig,
10 min @ 1670 psig, 15 min @ 1620 psig.
5922'-5935', Frac w/Dowell on 6-7-83.
31,700 gal YF4G w/50000 lbs 20-40 sand & 2000
lbs 100 mesh sand. Avg 20 BPM @ 2300 psig, max
@ 3300 psig. ISIP @ 2100 psig, 5 min @ 1800 psig,
10 min @ 1750 psig, 15 min @ 1720 psig.

PERFORATION RECORD

4275'-4277' (2') 3 SPF	YELLOW 3 ZONE
4281'-4286' (5') 3 SPF	YELLOW 3 ZONE
4313'-4319' (6') 3 SPF	YELLOW 3 ZONE
4778'-4781' (3') 2 SPF	RED 1 ZONE
4819'-4822' (3') 2 SPF	RED 2 ZONE
4827'-4830' (3') 2 SPF	RED 2 ZONE
5922'-5924' (2') 3 SPF	BLUE 4 ZONE
5931'-5935' (4') 3 SPF	BLUE 4 ZONE

<- SN Landed @ 5959' KB

PBTD @ 6030'KB
TD @ 6200'KB

BALCFON OIL**WELL REPORT**

WELL NAME: Monument Butte Federal #1-34
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-52013
 LOCATION: SW SE Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 6/13/83
 INITIAL PRODUCTION: 65 STBOPD, 35 MCFPD, 0 STBWP
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 1 STBOPD, 8 MCFPD
 ELEVATIONS - GROUND: 5449'
 TOTAL DEPTH: 6200' KB

DATE: 4-4-94 JZ
 API NO.: 43-013-30736

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 3/27/83
 OIL GRAVITY: 34 API
 BHT: 139 Deg.F
 KB: 5459' (10' KB)
 PLUG BACK TD: 6125' KB

SURFACE CASING

STRING: 1
 SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts @ 290'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 300' KB
 CEMENT DATA: 225 sx Class G
 Cement to surface

PRODUCTION CASING

STRING: 1 2
 SIZE: 5 1/2" 5 1/2"
 GRADE: J-55 J-55
 WEIGHT: 15.5 lbs. 14 lbs.
 LENGTH: 600' 5560'
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 6170' KB
 CEMENT DATA: 300 sx BJ Lite &
 760 sx Class G
 CEMENT TOP AT: 1720' from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs.
 NO. OF JOINTS: 148 jts @ 4681'
 TUBING ANCHOR: 2 7/8" x 4'
 NO. OF JOINTS: 39 jts @ 1232'
 SEATING NIPPLE: 2 7/8" X 1.1'
 PERF. SUB: 2 7/8" x 4'
 MUD ANCHOR: 2 7/8" x 31'
 TOTAL STRING LANDED: 5953'
 SN LANDED AT: 5928' KB

PERFORATION RECORD

3367'- 3377' (10') 2 SPF Squeezed 6/11/83
 4764'- 4769' (5') 3 SPF
 5336'- 5360' (14') 2 SPF
 5898'- 5904' (6') 2 SPF
 5919'- 5925' (6') 2 SPF

SUCKER ROD RECORD

1 - 1/14" x 16' Polish Rod
 228 - 3/4" x 25' Rods
 7 - 1 1/2" x 25' Sinker Bars

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

FRAC JOB

4764'- 4769', Frac w/Halliburton on 6/5/83.
 32500 gal X-Link Gel w/86000 lbs 20-40 mesh
 sand. Avg. 15 BPM @ 2120 psig, max @ 2430 psig,
 ISIP @ 2260 psig, 15 min @ 2040 psig.
 5336'- 5360' Zone not fraced.
 5898'- 5925', Frac w/Halliburton on 4/23/83.
 57000 gal Versagel w/147000 lbs 20-40 mesh sand.
 Avg. 15 BPM @ 2027 psig, max @ 2470 psig,
 ISIP @ 2260 psig, 5 min @ 2110 psig, 10 min
 @ 2040 psig, 15 min 1980 psig.

LOGS: Cement Bond Log, Dual Induction-SFL, Temperature Survey Log,
 Electromagnetic Propagation, Synergetic Log.

Monument Butte Federal #1-34
SW SE Sec.1,T9S,R16E
Lease No. U-52013
Monument Butte Field
Duchesne County, Utah

BALCRON OIL
4-4-94 JZ

Wellbore Diagram

Elev.GR @ 5449'
Elev.KB @ 5459' (10' KB)

SURFACE CASING

8 5/8", K-55, 24#
7 jts @ 290'
Hole Size - 12 1/4"
Landed @ 300' KB
Cemented w/225 sx Class G
Cement to surface

← 300' KB

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
154 jts @ 6160'
Hole Size - 7 7/8"
Landed @ 6170' KB
Cemented w/300 sx BJ Lite &
760 sx Class G
Cement top @ 1720' from CBL

FRAC JOB

4764'- 4769', Frac w/Halliburton on 6/5/83.
32500 gal X-Link Gel w/86000 lbs 20-40 mesh
sand. Avg. 15 BPM @ 2120 psig, max @ 2430 psig,
ISIP @ 2260 psig, 15 min @ 2040 psig.
5336'- 5360' Zone not fraced.
5898'- 5925', Frac w/Halliburton on 4/23/83.
57000 gal Versagel w/147000 lbs 20-40 mesh sand.
Avg. 15 BPM @ 2027 psig, max @ 2470 psig,
ISIP @ 2260 psig, 5 min @ 2110 psig, 10 min
@ 2040 psig, 15 min 1980 psig.

TUBING RECORD

2 7/8", J-55, 6.5#
148 jts @ 4681'
Tubing Anchor - 2 7/8" x 4'
39 jts @ 1232'
SN - 2 7/8" X 1.1'
Perf. Sub. - 2 7/8" x 4'
Mud Anchor - 2 7/8" x 31'
Total String Length @ 5953'
SN Landed At 5928' KB

PERFORATION RECORD

3367'- 3377' (10') 2 SPF Squeezed 6/11/83
4764'- 4769' (5') 3 SPF
5336'- 5360' (14') 2 SPF
5898'- 5904' (6') 2 SPF
5919'- 5925' (6') 2 SPF

SUCKER ROD RECORD

1 - 1/14" x 16' Polish Rod
228 - 3/4" x 25' Rods
7 - 1 1/2" x 25' Sinker Bars

← Squeezed

PUMP SIZE: 2 1/2" x 1 1/4" x 15 RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

← SN @ 5928' KB

PBTD @ 6125'KB
TD @ 6200'KB

BALCRON OIL

WELL NAME: Monument Butte Federal #1-43
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-52013
 LOCATION: NE SE Sec.1,T9S,R16E
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 6-10-83
 INITIAL PRODUCTION: 100 STBOPD, 50 MCFPD, 0 STBWPD
 OIL/GAS PURCHASER: Amoco/Universal
 PRESENT PROD STATUS: 3 STBOPD, 15 MCFPD
 ELEVATIONS - GROUND: 5404'
 TOTAL DEPTH: 6200' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs
 LENGTH: 8 jts @ 328'
 HOLE SIZE: 12 1/4"
 DEPTH LANDED: 348' KB
 CEMENT DATA: 225 sx, Class-G
 Cement to surface

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#
 NO. OF JOINTS: 152 jts @ 4670.03'
 TUBING ANCHOR: 2 7/8" x 2.35' Trico
 NO. OF JOINTS: 40 jts @ 1234.77'
 SEATING NIPPLE: 2 7/8" x 1.1'
 PERF. SUB: 2 7/8" x 3.2'
 MUD ANCHOR: 2 7/8" x 31.4' Open Ended
 TOTAL STRING LENGTH: 5943'
 SN LANDED AT: 5928' KB
 Note: Land TA w/22" of stretch

SUCKER ROD RECORD

1 - 1 1/2" x 16' Polished Rod w/SM end
 1 - 3/4" x 4' Pony
 228 - 3/4" x 25' Rods
 7 - 1 1/2" x 25' Sinker Bars

PUMP SIZE: 2.5" x 1 1/2" x 16.0' RHAC
 w/Ringed PA plunger, Trico.
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 3.3
 PUMPING UNIT SIZE:
 PRIME MOVER:

LOGS: Cement Bond, Dual Induction-SFL, Compensated
 Neutron-Litho Density, Temperature Survey,
 Electromagnetic Propagation, Volan.

WELL REPORT

DATE: 4-4-94 JZ
 API NO.: 43-013-30734

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 3-24-83
 OIL GRAVITY: 34.00 API
 BHT: 128 Deg.F
 KB: 5424' (20'KB)
 PLUG BACK TD: 6080' KB

PRODUCTION CASING

STRING: 1 2
 CSG SIZE: 5 1/2" 5 1/2"
 GRADE: K-55 K-55
 WEIGHT: 14# 15.5#
 LENGTH: 51 jts 101 jts
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 6127' KB
 CEMENT DATA: 400 sx, BJ Lite
 830 sx, Class-G
 CEMENT TOP AT: 1500' KB from CBL

PERFORATION RECORD

4776'- 4784' (8') 4 SPF (Added 2-17-94)
 5044'- 5047' (3') 2 SPF
 5067'- 5069' (2') 2 SPF
 5072'- 5083' (11') 2 SPF
 5086'- 5088' (2') 2 SPF
 5915'- 5924' (9') 3 SPF

ACID JOB

4776'- 4784' 500 gal 15% HCl acid.
 5044'- 5088' 2000 gal 2% KCl wtr &
 70 ball sealers.
 5915'- 5924' 1680 gal 2% KCl wtr &
 30 ball sealers.

FRAC JOB

4776'- 4784' Frac w/Western on 2-17-94.
 10,038 gal 35# J-4L w/28,520 lbs 16-30 mesh
 sand, Avg 24 BPM @ 2200 psig, max @ 2750 psig,
 ISIP @ 2050 psig, 5 min @ 1680 psig, 10
 min @ 1540 psig, 15 min @ 1410 psig.
 5044'- 5088' Frac w/Halliburton on 5-26-83.
 39,400 gal Gel w/104,000 lbs 20-40 mesh sand,
 Avg 15 BPM @ 2150 psig, max @ 2270 psig,
 ISIP @ 2900 psig, 15 min @ 1740 psig.
 5915'- 5924' Frac w/Halliburton on 5-28-83.
 57,300 gal Gel w/155,000 lbs 20-40 mesh sand,
 Avg 35 BPM @ 1980 psig, max @ 2240 psig,
 ISIP @ 2010 psig, 5 min @ 1900 psig, 10
 min @ 1810 psig, 15 min @ 1760 psig.

Monument Butte Federal #1-43
NE SE Sec. 1, T9S, R16E
Lease No. U-52013
Monument Butte
Duchesne County, Utah
Jonah Unit

Wellbore Diagram

BALCRON OIL
4-4-94 JZ

Elev.GR @ 5404'
Elev.KB @ 5424' (20' KB)

SURFACE CASING

8 5/8", K-55, 24#
8 jts @ 328'
Landed @ 348' KB
Cemented W/225 sx, Class-G.
Cemented to surface.
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", K-55, 14# & 15.5#
51 jnts 14.0#
101 jnts 15.5#
Landed @ 6127' KB
Cemented w/400 sx, BJ Lite & 830 sx, Class-G
Cement Top @ 1500' from CBL
Hole Size @ 7 7/8"

TUBING

2 3/8", J-55, 6.5#
152 jts @ 4670'
TA - 2 7/8" x 2.35' Trico
40 jts @ 1235'
SN - 2 7/8" x 1.1' (ID @ 2.25")
Perf Sub - 2 7/8" x 3.2'
Mud Anchor - 2 7/8" x 31.4'
Total String Length @ 5943'
SN Landed @ 5928' KB
Note: Land TA w/22" of stretch

SUCKER ROD

1 - 1 1/2" x 16' Polished Rod w/SM end
1 - 3/4" x 4' Pony
228 - 3/4" x 25' Rods
7 - 1 1/2" x 25' Sinker Bars

PUMP SIZE: 2.5" x 1 1/2" x 16.0' RHAC
w/Ringed PA plunger, Trico.

STROKE LENGTH: 74"

PUMP SPEED, SPM: 3.3

PUMPING UNIT SIZE:

PRIME MOVER:

<- 348' KB

ACID JOB

4776'- 4784' 500 gal 15% HCl acid.
5044'- 5088' 2000 gal 2% KCl wtr &
70 ball sealers.
5915'- 5924' 1680 gal 2% KCl wtr &
30 ball sealers.

FRAC JOB

4776'- 4784' Frac w/Western on 2-17-94.
10,038 gal 35# J-4L w/28,520 lbs 16-30 mesh
sand, Avg 24 BPM @ 2200 psig, max @ 2750 psig,
ISIP @ 2050 psig, 5 min @ 1680 psig, 10
min @ 1540 psig, 15 min @ 1410 psig.
5044'- 5088' Frac w/Halliburton on 5-26-83.
39,400 gal Gel w/104,000 lbs 20-40 mesh sand,
Avg 15 BPM @ 2150 psig, max @ 2270 psig,
ISIP @ 2900 psig, 15 min @ 1740 psig.
5915'- 5924' Frac w/Halliburton on 5-28-83.
57,300 gal Gel w/155,000 lbs 20-40 mesh sand,
Avg 35 BPM @ 1980 psig, max @ 2240 psig,
ISIP @ 2010 psig, 5 min @ 1900 psig, 10
min @ 1810 psig, 15 min @ 1760 psig.

PERFORATION RECORD

4776'- 4784' (8') 4 SPF (Added 2-17-94)
5044'- 5047' (3') 2 SPF
5067'- 5069' (2') 2 SPF
5072'- 5083' (11') 2 SPF
5086'- 5088' (2') 2 SPF
5915'- 5924' (9') 3 SPF

<- SN @ 5928' KB

PBTD @ 6080' KB
TD @ 6200' KB

BALCRON OIL

WELL NAME: Getty Gov1 #12-1
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-44426
 LOCATION: NW NE Sec.12,T9S,R16E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: .8051
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 3-13-84
 INITIAL PRODUCTION: 60 STBOPD, 106 MCFPD, 3 STBWP
 OIL/GAS PURCHASER: Amoco/Universal Resources
 PRESENT PROD STATUS: Pumping Oil Well
 ELEVATIONS - GROUND: 5412'
 TOTAL DEPTH: 6200'KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts. @ 227'
 DEPTH LANDED: 240'KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 175 sxs Class H

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8",N-80,6.5#
 NO. OF JOINTS: 185 jnts @ 5731'
 TUBING ANCHOR: n/a
 SEATING NIPPLE: 2-7/8" x 1.10'
 PERF. SUB: 2-7/8" x 3'
 MUD ANCHOR: 2-7/8" x 31'
 TOTAL TUBING LENGTH: 5766'
 SN LANDED AT: 5745' KB

SUCKER ROD RECORD

1 - 1 1/4" x 16' Polish Rod
 1 - 3/4" x 6' Pony
 1 - 3/4" x 8' Pony
 227 - 3/4" x 25' Slick Rods
 1 - 3/4" x 25' Rod w/Guides

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

WELL REPORT

DATE: 4-4-94 JZ
 API NO.: 43-013-30889

NET REVENUE INT.: .73831617 Oil
 .66359285 Gas
 SPUD DATE: 1-30-84
 RIG RELEASE DATE: 2-12-84
 OIL GRAVITY: 33 API
 BHT: 147 Deg.F
 KB: 5425' (13'KB)
 PLUG BACK TD: 6010'KB

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5 lbs.
 LENGTH: 151 jts @ 6160'
 DEPTH LANDED: 6175'KB
 HOLE SIZE: 8 3/4"
 CEMENT DATA: 760 sxs 65/35 Poz &
 555 sxs Class H
 CEMENT TOP AT:

PERFORATION RECORD

3852',3958',3860',3862',3864' **
 3942',3946',3952',3956',3960' **
 4116',4118',4120',4333'
 4393',4396',4398',4400',4402',4405',4408'
 4484',4518',4519',4646',4656',4670',
 4690',4728',4730'
 5590'-5602'
 5652',5654',5655',5693',5698',
 5700',5703',5722',5725',5752',
 5754' w/one shot each (11 holes).

Squeezed
 Squeezed
 YELLOW
 YELLOW5
 YELLOW
 YELLOW
 BLUE2
 BLUE3
 BLUE3
 BLUE3

Proposed Perforations @ 4976'-4980'

GREEN1

** Perforations Squeezed 3-23-84 w/150 sx Class-H cement.

ACID JOB/BREAKDOWN

5590'-5602': 5% KCl wtr, 10 bbls/min @ 3400 psig
 Dropped 48 balls, 2 balls/bbl.
 Flush w/33 bbls 5% KCl after frac.
 4399'-4440': 13 bbls 5% KCl wtr/min
 @ 3100 psig, ball off to 700 psig.
 Flush w/26.5 bbls

FRAC RECORD

4399'-4440': 50,000# 20/40 sand, 22,000
 gallons 40 Apollo.
 5590'-5602': 50,000# 20/40 sand, 20,000
 gallons 40 Apollo.
 5652'-5754': 60,000# 20/40 sand; 25,000
 gallons 40 Apollo.

Getty Gov't #12-1
NW NE Sec.12, T9S, R16E
Lease No. U-44426
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Wellbore Diagram

BALCRON OIL
4-4-94 JZ

SURFACE CASING

8-5/8" J-55,24#
Six joints @ 227'
Landed @ 240'KB.
Cemented w/175 sxs "H".
Cemented to surface.
Hole size @ 12-1/4".

PRODUCTION CASING

5-1/2" J-55,15.5#
151 joints @ 6160'.
Landed @ 6175'KB.
Cemented w/760 sxs 65/35 POZ
tailed w/555 sxs Class "H".
Cement top @
Hole size @ 8-3/4".

TUBING RECORD

2-7/8" N-80,6.5#
185 jnts @ 5731'
SN 2-7/8" x 1.10'
Perf Sub 2-7/8" x 3'
MA 2-7/8" x 31'
Total String Length @ 5766'
SN Landed @ 5745' KB

SUCKER ROD

1 - 1 1/4" x 16' Polish Rod
1 - 3/4" x 6' Pony
1 - 3/4" x 8' Pony
227 - 3/4" x 25' Slick Rods
1 - 3/4" x 25' Rod w/Guides

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC

← 240'KB

ACID JOB/BREAKDOWN

5590'-5602': 5% KCl wtr, 10 bbls/min @ 3400 psig
Dropped 48 balls, 2 balls/bbl.
Flush w/33 bbls 5% KCl after frac.
4399'-4440': 13 bbls 5% KCl wtr/min
@ 3100 psig, ball off to 700 psig.
Flush w/26.5 bbls

FRAC RECORD

4399'-4440': 50,000# 20/40 sand, 22,000
gallons 40 Apollo.
5590'-5602': 50,000# 20/40 sand, 20,000
gallons 40 Apollo.
5652'-5754': 60,000# 20/40 sand; 25,000
gallons 40 Apollo.

PERFORATION RECORD

3852',3958',3860',3862',3864' **	Squeezed
3942',3946',3952',3956',3960' **	Squeezed
4116',4118',4120',4333'	YELLOW
4393',4396',4398',4400',4402',4405',4408'	YELLOW5
4484',4518',4519',4646',4656',4670',	YELLOW
4690',4728',4730'	YELLOW
5590'- 5602'	BLUE2
5652',5654',5655',5693',5698',	BLUE3
5700',5703',5722',5725',5752',	BLUE3
5754' w/one shot each (11 holes).	BLUE3

Proposed Perforations @ 4976'- 4980' GREEN1

** Perforations Squeezed 3-23-84 w/150 sx Class-H ceme

← SN Landed @ 5745' KB

PBTD @ 6010'
TD @ 6020'

BALCRON OIL**WELL REPORT**

WELL NAME: Balcron Monument Federal #12-12J
 FIELD: Jonah Unit/Monument Butte
 FEDERAL LEASE NO.: U-096550
 LOCATION: SW NW Section 12, T9S, R16E
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 12-9-93
 INITIAL PRODUCTION: 20STBOPD,15MSCFPD,10STBWPD
 OIL/GAS PURCHASER: Amoco
 PRESENT PROD STATUS: Producing Oil Well
 ELEVATIONS - GROUND: 5543'
 TOTAL DEPTH: 5800'

DATE: 3-31-94 JZ

API NO.: 43-013-31410

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas

SPUD DATE: 10-9-93

RIG RELEASE DATE: 11-6-93

OIL GRAVITY: 43API

BHT: 0.27 @ 149 deg F/Per DLL

KB: 5553' KB (10' KB)

PLUG BACK TD: 5732' KB

SURFACE CASING**PRODUCTION CASING**

STRING: #1
 SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 267'
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 277' KB
 CEMENT DATA: 150 sxs "G" w/additives.
 Run wood top plug.

STRING: #1
 SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5 lbs
 LENGTH: 5724'
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5734' KB
 CEMENT DATA: 220 sxs Hyfill / 290 sxs 50-50 POZ
 CEMENT TOP AT: Approx. 4185' KB from CBL,
 per Craig Rang(Schlumberger)

TUBING RECORD**PERFORATION RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5#
 NO. OF JOINTS: 171 joints @ 5264'
 TUBING ANCHOR: N/A
 NO. OF JOINTS: N/A
 SEATING NIPPLE: 2-7/8" x 1.10'
 PERF. SUB: 2-7/8" x 3'
 MUD ANCHOR: 2-7/8" x 31' w/NC
 TOTAL STRING LENGTH: 5,299'
 SN LANDED AT: 5,275' KB

5029'- 5033'(4') 2 shots
 5225'- 5229'(4') 4 shots
 5237'- 5244'(7') 7 shots

ACID JOB

5029'- 5033' Total treatment over All
 5225'- 5229' zones of 500 gals, 15% HCl
 5237'- 5244' acid.

SUCKER ROD RECORD**FRAC JOB**

One 1-1/4" x 22' Polish Rod
 One 3/4" x 4' Pony
 One 3/4" x 8' Pony
 209 - 3/4" x 25' Plain Rods

5029'- 5033', 5225'- 5229', 5237'- 5244',
 Frac w/Western,limited entry frac w/29,250#
 20/40 mesh sand & 20,000# 16/30 mesh sand,
 18,156 gallons gelled 2% KCl water.

PUMP SIZE: 2.5"x 1.5"x 16' RWAC
 w/ringed PA plunger.
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5 SPM
 PUMPING UNIT SIZE: Bethlehem C-320-212-86
 S/N 30617E-31 3665
 ENGINE DATA: Ajax Model E-42, S/N 68203

LOGS: Dual Laterolog Microspherically Focused
 Log; Spectral Density Dual Spaced Neutron
 Log; Hydrocarbon/Lithology Log; Cement Bond
 Gamma-Ray & Collar Log

Balcron Monument Federal #12-12J
SW NW Section 12, T9S, R16E
Lease No. U-096550
Jonah Unit/Monument Butte Field
Duchesne County, Utah

BALCRON OIL
3-31-94 JZ

WELLBORE DIAGRAM

Elev.GR @ 5543'
Elev.KB @ 5553' KB (10' KB)

SURFACE CASING

8-5/8", J-55, 24#
Six joints @ 267'
Landed @ 277' KB.
Cemented w/150 sxs Class "G" w/additives.
Cemented to surface.
Run wood top plug.
Hole size @ 12-1/4".

PRODUCTION CASING

5-1/2", K-55, 15.5#
132 joints @ 5724'
Landed @ 5734' KB.
Cemented w/220 sxs Hyfill and
tailed w/290 sxs 50-50 POZ.
Cement top @ 4,185' from CBL.
Hole size 7-7/8".

TUBING

2 7/8", J-55, 6.5#
171 joints @ 5264'
SN 2-7/8" x 1.1' (2.25" ID)
Perf Sub 2-7/8" x 3'
MA 2-7/8" x 31' w/NC
Total Length @ 5,299'
SN Landed @ 5,275' KB

SUCKER ROD RECORD

One 1-1/4" x 22' Polish Rod
One 3/4" x 4' Pony
One 3/4" x 8' Pony.
209 - 3/4" x 25' Plain Rods

PUMP SIZE: 2.5"x 1.5"x 16' RWAC
w/ringed PA plunger.
STROKE LENGTH: 86"
PUMP SPEED: 5 SPM
PUMPING UNIT: Bethlehem C-320-212-86
S/N 30617E-31 3665
ENGINE DATA: Ajax Model E-42, S/N 68203

<- 277' KB

ACID JOB

5029' - 5033' Total treatment over All
5225' - 5229' zones of 500 gals, 15% HCl
5237' - 5244' acid.

FRAC JOB

5029' - 5033', 5225' - 5229', 5237' - 5244',
Frac w/Western, limited entry frac w/29,250#
20/40 mesh sand & 20,000# 16/30 mesh sand,
18,156 gallons gelled 2% KCl water.

PERFORATION RECORD

5029' - 5033'(4') 2 shots
5225' - 5229'(4') 4 shots
5237' - 5244'(7') 7 shots

<- 5029'-5033'

<- 5225'-5229'
<- 5237'-5244'

<- SN @ 5275' KB

PBTD @ 5732' KB
TD @ 5800' KB

BALCRON OIL

WELL REPORT

WELL NAME: Balcron Monument Federal #21-12J
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-096550
 LOCATION: NE NW Sec.12, T9S, R16E
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River Target
 COMPLETION DATE: Dry Hole
 INITIAL PRODUCTION: Dry Hole
 OIL/GAS PURCHASER: N/A
 PRESENT PROD STATUS: D & A
 ELEVATIONS - GROUND: 5449'
 TOTAL DEPTH: 5,800' KB

DATE: 4-4-94 JZ
 API NO.: 43-013-31406

NET REVENUE INT.: Oil - 0.73831617
 Gas - 0.66359285

SPUD DATE: 10-25-93
 OIL GRAVITY: N/A
 BHT: N/A

KB: 5459' KB (10' KB)
 PLUG BACK TD: Surface

SURFACE CASING

PRODUCTION CASING

STRING: 1
 CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 270'
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 278'KB
 CEMENT DATA: 150 sxs Class"G" w/2% CaCl
 & 1/4 lb per sx Celloflake.
 Circulate to surface.

STRING: 1
 CSG SIZE: N/A
 GRADE:
 WEIGHT:

TUBING RECORD

PLUGGING PROCEDURE

SIZE/GRADE/WT.: N/A
 NO. OF JOINTS:
 TUBING ANCHOR:
 NO. OF JOINTS:
 SEATING NIPPLE:
 PERF. SUB:
 MUD ANCHOR:
 TOTAL TUBING LENGTH:
 SN LANDED AT:

Plug #1: 5088'KB - 4088'KB
 Cemented w/91 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #2: 3133'KB - 2783'KB
 Cemented w/146 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #3: 1768'KB - 1568'KB
 Cemented w/70 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #4: 341'KB - 241'KB
 Cemented w/40 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #5: Surface to 50'KB
 Cemented w/20 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

SUCKER ROD RECORD

Number Of Rods: N/A

PUMP SIZE: N/A
 STROKE LENGTH:
 PUMP SPEED, SPM:
 PUMPING UNIT SIZE:

Balcron Monument Federal #21-12J
 NE NW Sec.12, T9S, R16E
 Lease No. U-096550
 Monument Butte Field
 Duchesne County, Utah
 Jonah Unit

Wellbore Diagram

Balcron Oil
 4-4-94 JZ

SURFACE CASING

8-5/8", J-55, 24#
 Six joints @ 270'
 Landed @ 278' KB
 Cemented w/150 sxs "G" w/2% CaCl
 & 1/4 lb per sx celloflakes.
 5 bbls back to pit.
 Cemented to surface.
 Hole size 12-1/4".

PLUGGING PROCEDURE

Plug #1: 5088'KB - 4088'KB
 Cemented w/91 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #2: 3133'KB - 2783'KB
 Cemented w/146 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #3: 1768'KB - 1568'KB
 Cemented w/70 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #4: 341'KB - 241'KB
 Cemented w/40 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

Plug #5: Surface to 50'KB
 Cemented w/20 sxs "G" w/2% CaCl
 and 1/4 lb per sx Celloseal.

<-- Plug #5: 50'KB to Surface.

<-- 278'KB

<-- Plug #4: 341'KB to 241'KB

<-- Plug #3: 1768'KB to 1568'KB

<-- Plug #2: 3133'KB to 2783'KB

<-- Plug #1: 5088'KB to 4888'KB

TD @ 5800'KB.

Dwights Well Data System CD-ROM
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H# R-842039-0 Original
Run Date: 18-Dec-93

State : Utah SL Merid 9S - 16E - 12 nw sw

County: DUCHESNE Oper: CAMPBELL G S

Field : MONUMENT BUTTE Compl: 12/10/1964 D O OIL

Well: C & O GOVT #1 Last Info: 01/12/1987

Ftg: 1905 fsl 660 fwl

Lat-Long by GITI: 40.043198 - 110.074097

Obj: 5380 lwr Green River Permit #: 09/24/1964 API: 43-013-1511100

Elev: 5468KB

Spud: 10/12/1964 Contr: EXETER DRLG CO

TD: 5212

Elev: 5468KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1390	4078	L S	Green River	1390	4078	L T
Horse Bench	2123	3345	L S	Horse Bench	2123	3345	L T
Green River B	3770	1698	L S	Douglas Creek	4563	905	L T
Douglas Creek	4563	905	L S				

<< Shell Records >>

Casing: 10-3/4 c @ 218 w/130; 5 1/2 C @ 5200 w/275

PZone : 4893-5258 (Douglas Creek)
4897-5258 (Douglas Creek)
5071-5258 (Douglas Creek)
5074-5258 (Douglas Creek)

IP : 5074-5258 Overall: 480 BO/D

Journl: 09/30/64 Loc.
10/07/64 RURT. Exter Drlg Co.
10/13/64 250 Drlg. Blew out 2810 ft, took 10.5 lb mud to kill. Upper
10/13/64 250 G.R. Est. 2000 MCF
10/27/64 4510 Drlg.
10/29/64 4706 Drlg.
11/04/64 5214 Running logs. DST #1. 4741-68 ft. Op. 15 min, SI 30 min, Op. 60 min, SI 60 min. Fair bl. decreasing. Rec. 120 ft SI. P&GCM, FP 62-103 lb, SIP 600-787 lb, HP 2790-2790 lb. DST #2 Green River New Sd. 4886-4904 ft. Op. 15 min, SI 30 min, Op. 60 min, SI 60 min. GTS 15 min. Max, gauge 65 MCF-20 MCF. Rec. 531 ft gassy oil, blk, high pourpoint, 90 ft HO&GCM. FP 124-207 lb, SIP 1892-1871 lb, HP 2667-2667 lb.
11/12/64 Prep. to perf. 5 1/i in C 5200 ft w/275 sx. Reported 60 ft low at Douglas Creek compred to Shamrock Walton #1.
11/24/64 WOCR
12/02/64 Prep. to test. Perf, 5074, 5071 w/4 way jet. Frac Set bridge plug 4908 ft. Perf. 4897, 4893. Prac. 1171 BLO to recover.
12/09/64 Drlg out bridge plug.
12/16/64 Putting on pump and building tanks. Fl. 5 bbls./hr rate

Page: 1

Continued

Dwights Well Data System CD-ROM
Copyright 1993 Rocky Mountains

H# R-842039-0 Original
Run Date: 18-Dec-93

State : Utah SL Merid 9S - 16E - 12 nw sw

County: DUCHESNE Oper: CAMPBELL G S

Field : MONUMENT BUTTE Compl: 12/10/1964 D O OIL

===== Continued =====

Journl: from 4893, 4897 ft. Fl. 15 bbls./hr rate from 5071 ft,
5074 ft, 4893 ft, 4897 ft.
12/22/64 P.B. 5029 ft. Testing. Fl. 800 B/D rate 18 hrs. Load &
formation oil.
12/28/64 SI for storage.
01/07/65 Completed. IP Fl. 480 B/D 36 deg grav. 75 deg pourpoint
01/07/65 Douglas Creek perfs. 4863 ft, 4897 ft, 5071 ft, 5074 ft.

<< State Records >>

Casing: 10 3/4 @ 217 w/5 - 5 1/2 @ 5200 w/315

Core : None

DST : #1 4741- 4768

#2 4886- 4904

Logs : IES SGR ML CBL

Tubing: 2 7/8 @ 2500 w/pkr set @ 5056

Perfs : 5071-5074 w/4 SPF - acid w/250 gal 7 1/2% mud -- Perf 4893-4897 w/4
SPF--frac w/520 bbls adomite crude 13 900 # sd 3150 lb glass beads

PZone : 4893-4897

5071-5074

IP : 480 BOPD

Dwights Well Data System CD-ROM
Copyright 1993 Rocky Mountains

H# R-842041-0 Original
Run Date: 18-Dec-93

State : Utah SL Merid 9S - 16E - 12 nw se

County: DUCHESNE

Oper: CAMPBELL G S

Field : MONUMENT BUTTE

Compl: 07/23/1965 D O OIL

Well: C & O GOVT #2

Last Info: 01/12/1987

Ftg: 1980 fsl 2080 fel

Lat-Long by GITI: 40.043427 - 110.065033

Obj: 5225

Permit #:

06/02/1965

API: 43-013-1511200

Elev: 5525KB

Spud: 06/15/1965

Contr: EXETER DRLG CO

TD: 5260

PB: 5227

Elev: 5525KB

FORMATION TOPS

(Type: L=Log S=Sample V=True Vertical)

(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Horse Bench	2014	3511	L S	Green River	1472	4053	L T
Douglas Creek	4650	875	L S	Horse Bench Ss	2014	3511	L T
Green River	1480	4045	S S	Douglas Creek mbr	4650	875	L T

<< Shell Records >>

Casing: 8-5/8 C @ 280 w/176; 5 1/2 C @ 5260 w/260

PZone : 4413-5178 (Green River)

(gross)

IP : Green River (overall) 4413-5178 P 130 BO/D

Journl: 06/02/65 Loc.

06/09/65 Rigging up. Exeter Drlg Co. To drill w/air.

06/16/65 300 Running surface csg.

06/23/65 4125 Drlg.

06/30/65 5265 5 1/2 in stdg. cmdt. 5260 ft w/260 sx. Ran logs.

07/21/65 Putting on pump. Perf. 5177-78 ft, 4838-39 ft, 4420-21

ft, 4413-14 ft, 4 holes/ft. Spotted 500 gal. Sd wt.

fract all zones, Swbd all load oil, est 200 BO/D.

07/28/65 testing on pump. Pumped 120 bbl. fluid. 100 bbl new oil,

07/28/65 20 bbl fract oil, 3/4 pump capacity.

07/29/65 Completed 7-29-65. IPP 130 BO/D, Green River 5177-78 ft,

07/29/65 4838-39 ft, 4420-21 ft, 4413-14 ft. TP 250 lb, CP 575

lb.

<< State Records >>

Casing: 13 3/8 @ 15 w/6 - 8 5/8 @ 281 w/176

Core : None

DST : None

Logs : IES SGR/C FAL CB

Perfs : 5177-5178, 4838-4839, 4420-4421, 4413-4414 w/4 SPF

PZone : 4413-4414

4838-4839

5177-5178

IP : 130 BOPD 15 BWPD P 130 BOPD grav 33, 15 BWPD

Page: 1

Continued

Dwights Well Data System CD-ROM
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H# R-842041-0 Original
Run Date: 18-Dec-93

=====
State : Utah SL Merid 9S - 16E - 12 nw se

County: DUCHESNE Oper: CAMPBELL G S

Field : MONUMENT BUTTE Compl: 07/23/1965 D O OIL

=====
Journl: Field Designated April, 1965 Continued =====

=====
State : Utah SL Merid 9S - 16E - 12 ne sw

County: DUCHESNE Oper: CAMPBELL G S

Field : MONUMENT BUTTE Compl: 06/04/1983 D O OIL

=====
Well: C & O GOVT #4 Last Info: 08/02/1993

Ftg: 2140 fsl 1820 fwl
Lat-Long by GITI: 40.043869 - 110.069946
Obj: 5500 Douglas Creek Permit #: 03/01/1983 API: 43-013-3074200
Elev: 5462KB

=====
Spud: 04/14/1983 Contr: Olsen Rig #: 5
TD: 5350 on 04/28/1983 lwr Green River PB: 5303

=====
Elev: 5462KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Scout,I=IOG,T=Govt,S=Shell,G=USGS,N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1400	4062	L H	Douglas Creek	4578	884	L H
Horse Bench	2140	3322	L H	Wasatch	5150	312	L H

=====
Casing: 8 5/8 @ 290
- 5 1/2 @ 5350
w/971 CF

Core : None
DST : None

Logs : EPT Cyberlook Litho-Dens DIL SFL GR Comp Neu

Tubing: 2 7/8 @ 5155

Perfs : 5095-5141 (Green River)
w/18 holes - frac w/4000 gal pre pad 8500 gal pad 16,500# 20/40 sd,
well sanded out
4908-4923
1/2 w/22 holes - frac w/19,000 gal frac trmt 4870 gal KCl wtr
4750-4774
w/24 holes - frac w/28,248 gal pad 50,000# sd
4330-4337
w/8 holes
4107-4114
w/8 holes -frac both w/6000 gal pad 4700 gal KCl wtr

PZone : (Green River)
(Douglas Creek)

IP : P 110 BOPD grav 34, est 2 MCFGPD, no wtr CP 600

Journl: 4/8/83 prep to spud.
4/14/83 prep to spud.
4/19/83 spudded; WO larger rig.
4/26/83 drlg @ 4093.
4/29/83 reached TD in Lwr Green River; prep to run production casing.
5/4/83 WO cement.
5/26/83 perf'd Green River; setting pump.
6/1/83 setting pump.
6/8/83 completed oil well.

State : Utah SL Merid 9S - 16E - 12 se se nw

County: DUCHESNE

Oper: DIAMOND SHAMROCK EXPL CO

Field : MONUMENT BUTTE

Compl: 03/04/1965 D O OIL

Well: WALTON FEDERAL #5

Last Info: 11/20/1990

Ftg: 2021 fnl 2092 fwl

Lat-Long by GITI: 40.046951 - 110.069000

Oper Address: Box 631, Amarillo TX 79105

Obj: 5300 Green River Permit #: 01/15/1965 API: 43-013-1579600
Elev: 5515KB

Spud: 01/22/1965

Contr: MIRACLE & WOOSTER

TD: 5300

Elev: 5515KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Green River	1152	4363	L S	basal Green River	3880	1635	L T
Green River	1152	4363	L T	Douglas Creek	4674	841	L T

<< Shell Records >>

Casing: 9 5/8 @ 228 w/200

5 1/2 @ 5294 w/275

PZone : 4440-5180 (Green River)

gross interval

IP : P 100 BOPD

Journl: 01/15/65

Loc.

01/21/65 Prep. to spud. Miracle & Wooster} Will drill w/gas.

01/28/65 1432 Drlg w/gas. 9-5/8 in C 228 ft w/200 sx.

02/04/65 5060 Drlg w/air. Show gas & oil 4266 ft, gas gauged 100

02/04/65 5060 MCF/D. Increase of oil & gas 4450 ft, also 4950 ft,

4692 ft. Rigged up air compressors.

02/10/65 5300 Waiting on completion rig. 5 1/2 in C 5294 ft w/275 sx.

02/10/65 5300 P.B. 5294 ft. Swbg. Perf. 5180 ft, 4872 ft, 4864 ft,

02/10/65 4792 ft, 4440 ft. Acidized & fract.

02/25/65 P.B. 5294 ft. Shut in, uniting on pumping unit.

03/04/65 P.B. 5294 ft. Testing on pump. Pumped 65 BO, 30 bbls.

load wt.

03/05/65 P.B. 5294 ft. IFP 100 BO/D, 7 bbls. wt. Green River

perfs. 5180 ft, 4872 ft, 4864 ft, 4792 ft, 4440 ft.

<< State Records >>

Casing: 9 5/8 @ 228 w/200

5 1/2 @ 5294

Core : None

DST : None

Perfs : 4440-5180 (Green River)

w/3 SPF @ 4440, 4792, 4864, 4872, 5180 - acid w/1000 gal 15% MA - frac

w/1% gelled acetic acid 30,000 gal 40,000# 20/40 sd 2000 gal w/2000#

8/12 mesh glass beads

Page: 1

Continued

Dwights Well Data System CD-ROM H# R-842040-0 Original
Copyright 1993 Rocky Mountains Run Date: 18-Dec-93

=====

State : Utah SL Merid 9S - 16E - 12 se se nw

County: DUCHESNE Oper: DIAMOND SHAMROCK EXPL CO

Field : MONUMENT BUTTE Compl: 03/04/1965 D O OIL

===== Continued =====

PZone : 4440-5180 (Green River)
gross interval

IP : 100 BOPD; 6 BWPD
106 BOPD grav 30; 6 BWPD

Exhibit - C
Proposed Injection Well Completion Diagrams

Balcron Monument Federal #42-1J
SE NE Sec.1, T9S, R16E
Lease No. U-40652
Jonah Unit / Monument Butte Field
Duchesne County, Utah

BALCRON OIL
4-4-94 JZ

Proposed Injection Well Completion Diagram

SURFACE CASING

8-5/8", J-55, 24#
Seven joints @ 346'
Landed @ 356' KB.
Cemented w/180 sxs "G" w/additives.
Cemented to surface.
Hole size 12-1/4".

<- 366' KB.

Uintah Formation Surface to 1400 ft.

FRAC JOB

5081'-86' & 5292'-96': Frac w/15,000#
20/40 sand and 12,000# 16/30 sand
in 403 bbls 2% KCL water.

4779'-82' & 4935'-38': Frac w/18,000#
16/30 sand in 261 bbls 2% KCL water.

PRODUCTION CASING

5-1/2", K-55, 15.5#
131 joints @ 5799'
Landed @ 5809' KB
Cemented w/112 sxs Thrifty-lite &
tailed w/258 sxs 50-50 POZ.
Cement top @
Hole size 7-7/8".

Green River Formation 1400 to 4100 ft.

TUBING

2 7/8", J-55, 6.5#
SN @ 2 7/8" x 1.10'
SN Landed @ 4720' KB

PERFORATION RECORD

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

Retrievable Csg Tension Packer
Model: Arrow Set-1
Landed @ 4724' KB

<- Packer Landed @ 4724' KB

Proposed Injection Horizons

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5761.5'
TD @ 5850'
Wasatch Formation 6000 ft.

Monument Butte Federal #1-13
NW SW Sec. 1, T9S, R16E
Lease No. U-18399
Monument Butte Field
Duchesne County, Utah
Jonah Unit

BALCRON OIL
4-4-94 JZ

Proposed Injection Well Completion Diagram

SURFACE CASING

8 5/8", K-55, 24#
7 jts @ 299'
Landed @ 311' KB
Cemented w/225 sx, Class G
Cement to surface
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
147 jts @ 5990'
Landed @ 6002' KB
Cemented w/360 sx, BJ Lite &
525 sx, Class G
Cement Top @ 1800' from CBL
Hole Size @ 7 7/8"

TUBING

2 7/8", J-55, 6.5#
SN @ 2 7/8" x 1.10'
SN Landed @ 4902' KB

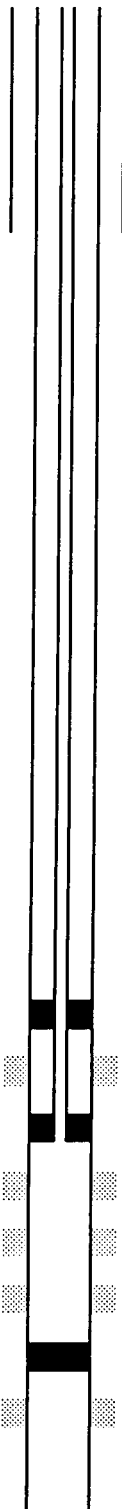
Retrievable Csg Tension Packers:
Arrow Snap Set-1 Landed @ 4247' KB
Arrow Set-1 Landed @ 4906' KB

CIBP Set @ 5344' KB

Proposed Injection Horizons

4966'-4969' (3') 1 SPF	RED5
5083'-5087' (4') 1 SPF	GREEN1
5092'-5095' (3') 1 SPF	GREEN1
5106'-5113' (7') 1 SPF	GREEN1
5279'-5283' (4') 1 SPF	GREEN4

Note: The YELLOW3 and GREEN6 zones will not be used for injection.



<- 311' KB

Uintah Formation Surface to 1400 ft.

FRAC JOB

4966'-5283', Frac w/Halliburton on 1-10-83.
47000 gal x-linked gel w/200800 lbs 20-40
sand. avg. 60 BPM @ 2770 psig, max @ 2900 psig,
ISIP @ 2070 psig, 5 min @ 1890 psig, 15 min
@ 1860 psig.
5404'-5446', Frac w/Halliburton on 4-23-83.
21500 gal Versagel & 91000 lbs 20-40 sand.
Avg. 20 BPM @ 4417 psig, max @ 4720 psig,
ISIP @ 2610 psig, 5 min @ 2420 psig, 10 min @
2350 psig, 15 min @ 2190 psig.
4307'-4327', Frac w/Halliburton on 5-26-83.
26000 gal gel water w/122000 lbs 20-40 sand.
Avg. 20 BPM @ 2045 psig, max @ 2280 psig,
ISIP @ 2100 psig, 15 min @ 1730 psig.

Green River Formation 1400 to 4100 ft.

PERFORATION RECORD

4307'-4318' (11') 2 SPF	YELLOW3
4324'-4327' (3') 2 SPF	YELLOW3
4966'-4969' (3') 1 SPF	RED5
5083'-5087' (4') 1 SPF	GREEN1
5092'-5095' (3') 1 SPF	GREEN1
5106'-5113' (7') 1 SPF	GREEN1
5279'-5283' (4') 1 SPF	GREEN4
5404'-5409' (5') 2 SPF	GREEN6
5436'-5446' (10') 2 SPF	GREEN6

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5950' KB
TD @ 6200' KB
Wasatch Formation 6000 ft.

PBTD @ 6120'KB
TD @ 6200'KB
Wasatch Formation 6000 ft.

Monument Butte Federal #1-33
NW SE Sec.1,T9S,R16E
Lease No. U-52013
Monument Butte Field
Duchesne County,Utah
Jonah Unit

BALCRON OIL
4-4-94 JZ

Proposed Injection Well Completion Diagram

SURFACE CASING

8 5/8", K-55, 24#
7 jts @ 284'
Landed @ 304'KB
Cemented w/225 sxs, Class G
Cemented to surface
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5# & 14#
12 jts 15.5# @ 519'
126 jts 14# @ 5578'
Landed @ 6120'KB
Cemented w/390 sx, BJ Lite &
710 sx, Class G
Cement Top @ 1880' from CBL
Hole Size @ 7 7/8"

TUBING

2 7/8", J-55, 6.5#
SN @ 2 7/8" x 1.10'
SN Landed @ 4714' KB

Retrievable Csg Tension Packers:
Arrow Snap Set-1 Landed @ 4215' KB
Arrow Set-1 Landed @ 4718' KB

CIBP Set @ 5462' KB

Proposed Injection Horizons

4778'-4781' (3') 2 SPF	RED 1 ZONE
4819'-4822' (3') 2 SPF	RED 2 ZONE
4827'-4830' (3') 2 SPF	RED 2 ZONE

Note: The YELLOW3 and BLUE4 zones will
not be used for injection.

ACID JOB

4778'-4830', 500 gal 7.5% HCl Acid &
15 balls. Treated @ 2400 psig @ 5 BPM.
ISIP @ 1500 psig.

<- 304' KB

Uintah Formation Surface to 1400 ft.

FRAC JOB

4275'-4319', Frac w/Dowell on 6/12/83.
32600 gal YF4G w/70000 lbs 20-40 sand & 2000
lbs 100 mesh sand. Avg 17.8 BPM @ 2100 psig,
max @ 2400 psig. ISIP @ 2000 psig, 5 min @
1840 psig, 10 min @ 1800 psig, 15 min @ 1750 psig.
4778'-4830', Frac w/Dowell on 6-9-83.
29100 gal YF4G w/50000 lbs 20-40 sand & 2000
lbs mesh sand. Avg 20 BPM @ 1857 psig, max @
@ 2000 psig, ISIP @ 2000 psig, 5 min @ 1700 psig,
10 min @ 1670 psig, 15 min @ 1620 psig.
5922'-5935', Frac w/Dowell on 6-7-83.
31,700 gal YF4G w/50000 lbs 20-40 sand & 2000
lbs 100 mesh sand. Avg 20 BPM @ 2300 psig, max
@ 3300 psig. ISIP @ 2100 psig, 5 min @ 1800 psig,
10 min @ 1750 psig, 15 min @ 1720 psig.

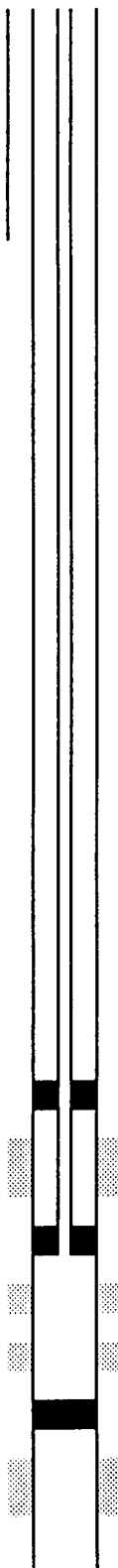
Green River Formation 1400 to 4100 ft.

PERFORATION RECORD

4275'-4277' (2') 3 SPF	YELLOW 3 ZONE
4281'-4286' (5') 3 SPF	YELLOW 3 ZONE
4313'-4319' (6') 3 SPF	YELLOW 3 ZONE
4778'-4781' (3') 2 SPF	RED 1 ZONE
4819'-4822' (3') 2 SPF	RED 2 ZONE
4827'-4830' (3') 2 SPF	RED 2 ZONE
5922'-5924' (2') 3 SPF	BLUE 4 ZONE
5931'-5935' (4') 3 SPF	BLUE 4 ZONE

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 6030'KB
TD @ 6200'KB
Wasatch Formation 6000 ft.



Getty Gov't #12-1
NW NE Sec.12, T9S, R16E
Lease No. U-44426
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Proposed Injection Well Completion Diagram

BALCRON OIL
4-4-94 JZ

SURFACE CASING

8-5/8", J-55, 24#
Six joints @ 227'
Landed @ 240' KB.
Cemented w/175 sxs "H".
Cemented to surface.
Hole size @ 12-1/4".

PRODUCTION CASING

5-1/2", J-55, 15.5#
151 joints @ 6160'.
Landed @ 6175' KB.
Cemented w/760 sxs 65/35 POZ
tailed w/555 sxs Class "H".
Cement top @
Hole size @ 8-3/4".

TUBING

2 7/8", J-55, 6.5#
SN @ 2 7/8" x 1.10'
SN Landed @ 4052' KB

Retrievable Csg Tension Packer:
Arrow Set-1 Landed @ 4056' KB

CIBP Set @ 5530' KB

Proposed Injection Horizons

4116', 4118', 4120', 4333'	YELLOW
4393', 4396', 4398', 4400', 4402', 4405', 4408'	YELLOW5
4484', 4518', 4519', 4646', 4656', 4670',	YELLOW
4690', 4728', 4730'	YELLOW
Proposed Perforations @ 4976'- 4980'	GREEN1

NOTE: The BLUE2 & BLUE3 zones will not be used for injection.

ACID JOB/BREAKDOWN

5590'-5602': 5% KCl wtr, 10 bbls/min @ 3400 psig
Dropped 48 balls, 2 balls/bbl.
Flush w/33 bbls 5% KCl after frac.
4399'-4440': 13 bbls 5% KCl wtr/min
@ 3100 psig, ball off to 700 psig.
Flush w/26.5 bbls

FRAC RECORD

4399'-4440': 50,000# 20/40 sand, 22,000
gallons 40 Apollo.
5590'-5602': 50,000# 20/40 sand, 20,000
gallons 40 Apollo.
5652'-5754': 60,000# 20/40 sand; 25,000
gallons 40 Apollo.

Uintah Formation Surface to 1400 ft.

Green River Formation 1400 to 4100 ft.

PERFORATION RECORD

3852', 3958', 3860', 3862', 3864' **	Squeezed
3942', 3946', 3952', 3956', 3960' **	Squeezed
4116', 4118', 4120', 4333'	YELLOW
4393', 4396', 4398', 4400', 4402', 4405', 4408'	YELLOW5
4484', 4518', 4519', 4646', 4656', 4670',	YELLOW
4690', 4728', 4730'	YELLOW
5590'- 5602'	BLUE2
5652', 5654', 5655', 5693', 5698',	BLUE3
5700', 5703', 5722', 5725', 5752',	BLUE3
5754' w/one shot each (11 holes).	BLUE3

Proposed Perforations @ 4976'- 4980' GREEN1

** Perforations Squeezed 3-23-84 w/150 sx Class-H cement.

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 6010'
TD @ 6020'
Wasatch Formation 6000 ft.

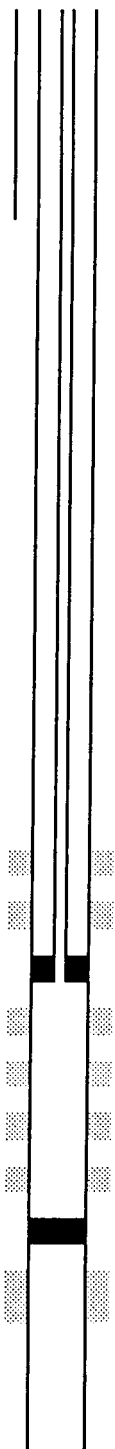


Exhibit - D
Supply And Produced Water Analysis



2060 SOUTH 1500 EAST
VERNAL UTAH 84078

Telephone (801) 789-4327

EXHIBIT "D" WATER ANALYSIS REPORT

Report for: John Zelletti
cc for: Steve Hanberg
cc for:
cc for:
Company: Balcron Oil
Address: Billings Montana
Service Engineer: Mike Angus
Date Sampled: 7-14-92
Date Reported: 7-15-92
Location: Allen Federal 23-6
County: Duchesne County
State: - Utah
Submitted by: Mike Angus
Other Info: - Produced water sample

Chemical Component	mg per liter	meq per liter
Chloride (Cl) =	14900.	394.9
Iron (Fe) =	1.9	
Total Hardness (CaCO ₃) =	50.	
Calcium (Ca) =	24.	1.2
Magnesium (Mg) =	5.	0.4
Bicarbonate (HCO ₃) =	171.	2.8
Carbonate (CO ₃) =	30.	1.0
Sulfate (SO ₄) =	1.	0.0
Hydrogen Sulfide (H ₂ S) =	1.7	
Barium (Ba) =	Negligible	
Sodium (Na) (calc.) =	9129.	397.1
Specific Gravity =	1.016	
Density (lb/gal) =	8.46	
pH (by meter) =	9.2	
Dissolved CO ₂ (mg/l) =	0.	

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

Scaling Index at 65 degrees F = +0.25
Scaling Index at 86 degrees F = +0.48
Scaling Index at 122 degrees F = +0.90
Scaling Index at 155 degrees F = +1.49

Total dissolved solids (calculated) = 23360. mg per liter

Reported by William Curry Lab Technician
William Curry



Telephone (801) 769-4327

WATER ANALYSIS REPORT

Company: BALCRON
Address:
Field/Lease: Jonah Unit Waterflood
Source Water After Chemical
Report For: JOHN ZELLETTI
cc
cc
cc
Service Engineer: BARRY CULPEPPER

Project # 940C94
Date Sampled: 2/18/94
Date Received: 2/18/94
Date Reported: 2/18/94

CHEMICAL COMPONENT	JONAH UNIT
CHLORIDE (mg/l)	300
SULFATE (mg/l)	313
CARBONATE (mg/l)	60
BICARBONATE (mg/l)	305
CALCIUM (mg/l)	80
MAGNESIUM (mg/l)	40.0
IRON (mg/l)	1
BARIUM (mg/l)	
STRONTIUM (mg/l)	
SODIUM (mg/l)	322
pH	7.2
IONIC STRENGTH	0.03
SPECIFIC GRAVITY	1.000
SI@20C (88F)	-0.11
SI@25C (77F)	0.03
SI@30C (88F)	0.18
SI@40C (104F)	0.41
SI@50C (122F)	0.57
SI@60C (140F)	0.79
SI@70C (158F)	0.68
SI@80C (176F)	1.10
SI@90C (194F)	1.29
TDS (mg/l)	1429
TEMPERATURE (F)	
DISSOLVED CO2 (ppm)	0
DISSOLVED H2S (ppm)	0
DISSOLVED O2 (ppm)	

Exhibit - E
Jonah Uint Waterflood
Injection Well Pressure Analogy To
Section-6 Injection Wells

Well Name	Location/Rate/Pressure
1) Allen Federal #1-6	SE SE Sec.6,T9S,R17E 130 STBWPD @ 1775 psig
2) Balcron Monument Fed #11-6	NW NW Sec.6,T9S,R17E 275 STBWPD @ 1780 psig
3) Allen Federal #13-6	NW SW Sec.6,T9S,R17E 225 STBWPD @ 1150 psig
4) Allen Federal #22-6	SE NW Sec.6,T9S,R17E 200 STBWPD @ 1770 psig
5) Balcron Monument Fed #24-6	SE SW Sec.6,T9S,R17E 195 STBWPD @ 1790 psig
6) Allen Federal #31-6	NW NE Sec.6,T9S,R17E 145 STBWPD @ 1800 psig
7) Balcron Monument Fed #33-6	NW SE Sec.6,T9S,R17E 180 STBWPD @ 1875 psig
8) Balcron Monument Fed #42-6	SE NE Sec.6,T9S,R17E 170 STBWPD @ 1600 psig

Average injection pressure of 1690 psig.

Exhibit - F
Jonah Unit Waterflood
Fracture Pressure Data

Well Name	Average Rate (BPM)	Average Pressure (PSIG)	Maximum Pressure (PSIG)	Initial Shut In Pressure (PSIG)	Average Depth (FEET)	Fracture Gradient (PSIG/FT)
ALLEN FEDERAL #12-6	20.0	1800	2200	1800	4314	0.86
	20.0	1950	2150	1950	4841	0.84
	20.0	1800	2700	2070	5290	0.83
	15.0	1700	2400	1930	5670	0.78
ALLEN FEDERAL #21-6	15.8	2100	2600	2200	5201	0.86
	31.0	2100	2300	2100	5338	0.83
ALLEN FEDERAL #23-6	20.0	1800	1875	1800	4800	0.81
	20.0	2000	2050	2000	4899	0.85
	20.0	1975	2200	1950	5252	0.81
ALLEN FEDERAL #32-6	55.0	2200	2950	2010	4268	0.91
	34.0	2400	2600	2000	5083	0.83
ALLEN FEDERAL #34-6	30.0	2000	2180	1960	4702	0.86
	31.2	1900	2150	1710	4874	0.79
	35.0	2400	2580	2190	5196	0.86
ALLEN FEDERAL #41-6	32.0	2100	2630	2400	4300	0.99
	25.0	2000	2600	2000	4757	0.86
	25.0	1600	2000	1700	4925	0.78
	18.0	3700	4400	1850	5065	0.80
ALLEN FEDERAL #43-6	17.0	2000	4000	4000	5248	1.20
	30.0	3000	3100	1950	4704	0.85
	15.0	2000	2500	2050	4832	0.86
	31.0	2200	2500	1900	5173	0.81
ALLEN FEDERAL #12-5	20.0	1850	2050	1800	4177	0.87
	25.0	1800	2400	1850	4852	0.82
	10.0	4600	6000	3400	5014	1.12
	20.2	1950	2250	1960	5153	0.82
ALLEN FEDERAL #21-5	15.0	1900	2400	2100	4203	0.94
	15.0	1700	2300	2100	4817	0.87
	15.0	1900	2300	2300	5083	0.89
	15.0	1500	2050	1900	5250	0.80
MONUMENT BUTTE #1-43	18.5	2300	3700	2900	5918	0.93
	35.0	2040	2240	2010	5066	0.78
ALLEN FEDERAL #13-6	25.0	1850	2800	2200	4756	0.90
	21.5	2400	2840	2280	5060	0.89
ALLEN FEDERAL #22-6	30.0	1960	2870	1750	4917	0.79
	28.0	2600	3040	2450	5195	0.91
	21.0	2350	2540	2000	5273	0.82
ALLEN FEDERAL #31-6	22.5	3400	6000	2100	5053	0.85
	25.0	3500	5500	2100	5245	0.84
ALLEN FEDERAL #1-6	56.0	3400	?	1700	4657	0.80
ALLEN FEDERAL #1A-5	56.5	3850	?	1650	4726	0.79

Note: Fracture Gradient = (ISIP + 0.43836 psig/ft * Depth) / Depth
The hydrostatic head is calculated using 2% KCl water which was used as the displacing fluid after the frac.

Average Fracture Gradient = 0.861 psig/ft.

Exhibit - G
Step Rate Injection Test

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF EQUITABLE RESOURCES ENERGY	:	
COMPANY FOR ADMINISTRATIVE	:	CAUSE NO. UIC-151
APPROVAL TO CONVERT THE FEDERAL	:	
1-33, FEDERAL 1-24, FEDERAL 1-13,	:	
FEDERAL 42-1J AND GETTY 12-1 WELLS	:	
LOCATED IN SECTIONS 1 & 12, TOWNSHIP	:	
9 SOUTH, RANGE 16 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, TO CLASS	:	
II INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the Federal 1-33, Federal 1-24, Federal 1-13, Federal 42-1J and Getty 12-1 Wells, located in Sections 1 & 12, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4116 - 4980 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 10th day of May, 1994.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R.J. Firth
Associate Director, Oil and Gas

WUI101

**Equitable Resources Energy Company
Federal 1-33, Federal 1-24, Federal 1-13, Federal 42-1J, and Getty 12-1 Wells
Cause No. UIC-151**

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110


Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Tom Pike
U.S. Environmental Protection Agency
Region VIII
999 18th Street
Denver, Colorado 80202-2466

Ed Bonner
State Lands and Forestry
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204



Lisa D. Clement
Administrative Secretary
May 10, 1994

Balcron Monument Federal #42-1J
SE NE Sec.1, T9S, R16E
Lease No. U-40652
Jonah Unit / Monument Butte Field
Duchesne County, Utah

BALCRON OIL
4-4-94 JZ

Proposed Injection Well Completion Diagram

SURFACE CASING

8-5/8", J-55, 24#
Seven joints @ 346'
Landed @ 356' KB.
Cemented w/180 sxs "G" w/additives.
Cemented to surface.
Hole size 12-1/4".

<- 366' KB.

Uintah Formation Surface to 1400 ft.

FRAC JOB

5081'-86' & 5292'-96': Frac w/15,000#
20/40 sand and 12,000# 16/30 sand
in 403 bbls 2% KCL water.

4779'-82' & 4935'-38': Frac w/18,000#
16/30 sand in 261 bbls 2% KCL water.

PRODUCTION CASING

5-1/2", K-55, 15.5#
131 joints @ 5799'
Landed @ 5809' KB
Cemented w/112 sxs Thrifty-lite &
tailed w/258 sxs 50-50 POZ.
Cement top @
Hole size 7-7/8".

Green River Formation 1400 to 4100 ft.

TUBING

2 7/8", J-55, 6.5#
SN @ 2 7/8" x 1.10'
SN Landed @ 4720' KB

PERFORATION RECORD

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

Retrievable Csg Tension Packer
Model: Arrow Set-1
Landed @ 4724' KB

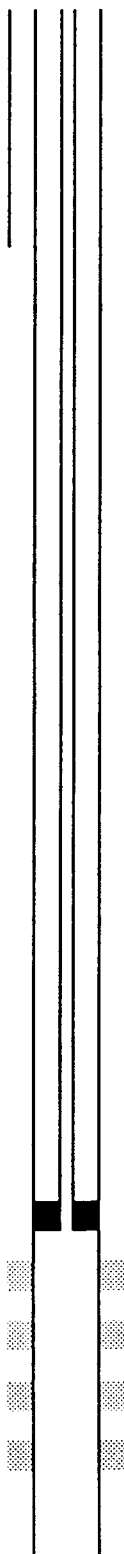
<- Packer Landed @ 4724' KB

Proposed Injection Horizons

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

Douglas Creek Member 4100 to 5350 ft.
Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5761.5'
TD @ 5850'
Wasatch Formation 6000 ft.



Allen Federal #13-6
NW SW Sec.6,T9S,R17E
Lease No.U-020252A
Monument Butte Field
Duchesne Co., Utah

EXHIBIT "G"
Step Rate Injection Test

Jan.6,1993

Injection Rate (STBPM)	Starting Time (PM)	Volume Pumped (STB)	Surface Pressure At Start (PSIG)	Surface Stabilized Pressure (PSIG)	Down Hole Stabilized Pressure From Bomb Set @ 4781' GL. (PSIG)
0.25	4:25	7.5	200	400	2454
0.50	4:55	15.0	600	1350	3216
0.75	5:25	22.5	1400	1650	3558
1.00	5:55	30.0	1750	1900	3772
1.25	6:25	37.5	2000	2100	3886
1.50	6:55	45.0	2200	2250	3952
1.75	7:25	52.5	2400	2300	4004
2.00	7:55	60.0	2400	2400	4059
2.50	8:25	75.0	2600	2600	4110

Shut Down @ 8:55 PM

ISIP @ 2000 psig, 5 min @ 1800 psig, 10 min @ 1700 psig, 15 min @ 1600 psig.

Total volume pumped @ 345 STBW in 4.5 hours.

Step rate injection test pumped by the Western Company out of Vernal, Utah.

Added 6.0 lbs biocide per 500 gal fresh water and 1.0 gal claytreat per 1000 gal fresh water.

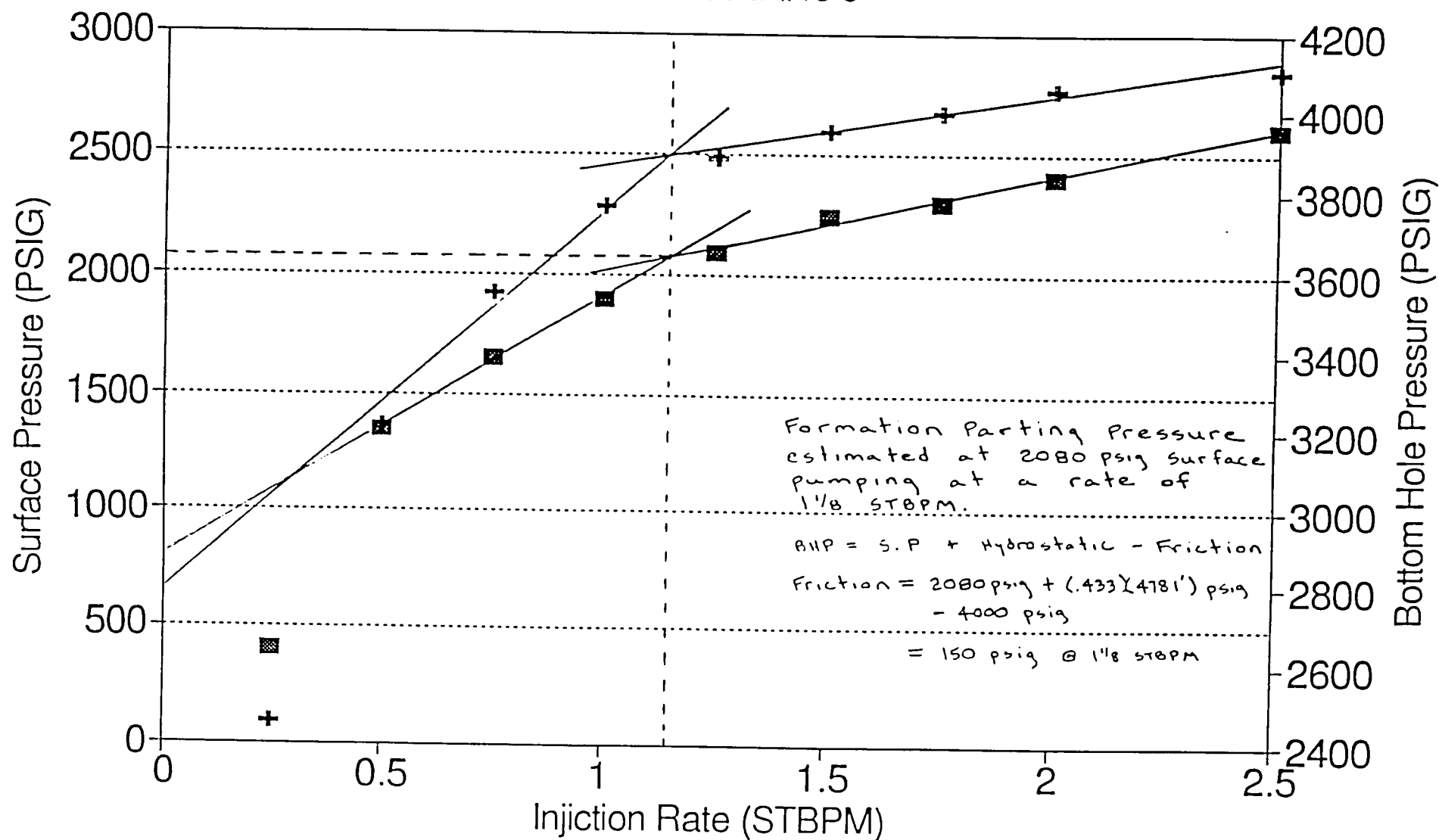
Note: Loaded tubing & backed injection rate off to 1/8 STBPM, well showed zero tubing pressure at this rate, increased rate to 1/4 STBPM.

Perforated Interval @ 4910'-4930' KB w/bottom of packer set @ 4791' KB.

Seating nipple set @ 4784' KB (10' KB).

Seven foot pressure bomb recorder set @ 4781' GL.

Step Rate Injection Test Allen Federal #13-6



—■— Surface Pressure —+— BHP

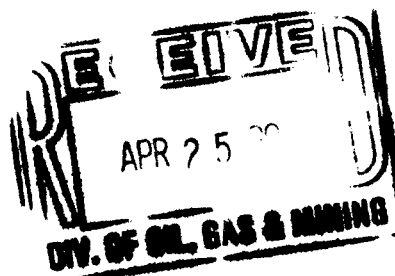
Note: Friction pressure includes that of 2 3/8" tbg and friction across the pressure bomb & No go hung off in the seating nipple.

(50)

EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104



Office: (406) 259-7860
FAX: (406) 245-1365 ☒
FAX: (406) 245-1361 ☐

AFFIDAVIT

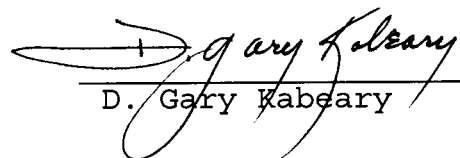
COUNTY OF YELLOWSTONE)

STATE OF MONTANA)

D. Gary Kabeary, Senior Landman for Equitable Resources Energy Company, Balcron Oil Division, being first duly sworn on oath, deposes and says that on the 11th day of April, 1994 he did cause to be mailed to all operators, owners and surface owners within a one-half mile of the proposed injection wells listed below, a copy of the State Application for Injection Well (UIC Form 1).

Monument Butte	#1-13 (NWSW 1, T9S-R16E)
Monument Butte	#1-24 (SESW 1, T9S-R16E)
Monument Butte	#1-33 (NWSE 1, T9S-R16E)
Balcron Monument Federal	#42-1 (SENE 1, T9S-R16E)
Getty	#1-12 (NWNE 12, T9S-R16E)


Further affiant saith not.


D. Gary Kabeary

Subscribed and sworn to before me on this 11th day of
April, 1994.

My Commission Expires:

11-18-94


Lynda Wilson
Residing in Billings, MT 59105

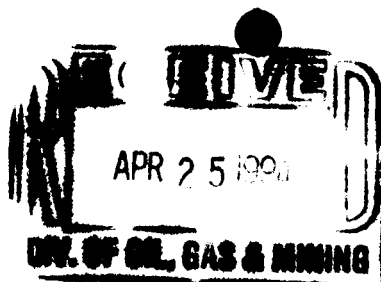
S E A L



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104



Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

April 22, 1994

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached is our Affidavit certify that copies of the application and UIC permit were sent to all operators, owners, and surface owners within a one-half mile radius of the proposed injection wells. Those wells are as follows:

Monument Butte #1-13

Monument Butte #1-24

Monument Butte #1-33

Balcron Monument Federal #42-1

Getty #1-12

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: Equitable Well: 42-1J
Location: section 1 township 16E9S range 16E

API #: 43-013-31404 Well Type: disp. enhanced recov. X

If enhanced recovery has project been approved by the Board? Yes

Lease Type: Federal Surface Ownership: BLM

Field: Manment Unit: Shah Indian Country: N

UIC Form 1: Yes Plat: Y Wells in AOR: 2P3I

Logs Available: _____ Bond Log: _____

Casing Program: OK. need to check cement top.

Integrity Test: Conversion

Injection Fluid: Johnson Water.

Geologic Information: 4779-5296 Injection zone G.R.

Analyses of Injection Fluid: Y Formation Fluid: Y Compat. Y

Fracture Gradient Information: 86 Parting Pressure _____
2040 psi. 2000 max 1600 Avg.

Affidavit of Notice to Owners: Y

Fresh Water Aquifers in Area: none

Depth Base of Moderately Saline Water: 500-600 feet

Confining Interval: Shales & limes of G.R.

Reviewer: D. J. J. Date: 5/4/94

Comments & Recommendation _____



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 10, 1994

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-151

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 10, 1994

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-151

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168

**EQUITABLE RESOURCES
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒**TELECOPIER TRANSMITTAL SHEET**

Our telecopier number is: (406) 245-1361

DATE:

5-20-94

TO:

Dan Jarvis

COMPANY:

State of Utah

FROM:

John Bellitti

Total Number of Pages _____ (Including this cover sheet)

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL BACK AS SOON
AS POSSIBLE AT (406) 259-7860.

TELECOMMUNICATOR: _____

SPECIAL INSTRUCTIONS: _____

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EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

May 20, 1997

Mr. Dan Jarvis
State Of Utah
Division Of Oil, Gas, & Mining
55 West North Temple
3 Triad Center, Suite-350
Salt Lake City, Utah 84180

Dear Dan,

Re: Application For UIC Water Injection Permit
Balcron Monument Federal #42-1J 43-013-31404
SE NE Section 1, T9S, R16E
Duchesne County, Utah
Jonah Unit

In regards to the problem with the cement bond log on the above referenced well I have compared calculated cement tops to the estimated cement tops from the CBL. The well was cemented with 112 sacks of Shrinky-Lite (3.57 cubic feet per sack) as a lead cement and 258 sacks 50/50 Poz (1.28 cubic feet per sack) as the tail cement. Using the integrated annulus volume presented on the open-hole logs, the top of the tail and lead cement is calculated to be at approximately 4330' KB and 2310' KB respectively. Using the Cement Bond Log, the estimated top of the tail cement is approximately 4100' KB and the top of the lead cement is not shown. Apparently Dale Griffin, who was supervising the logging operation, thought that he had logged the top of the cement and cut the log short. In comparison to other wells drilled in the Jonah Unit, I feel comfortable that the cement job in this well has adequately isolated the proposed injection zone from the surrounding formations. At this time it is my proposal not to rerun the cement bond log on this well, however Balcron Oil will follow any decision set forth by your office.

If you require any further information, please contact me at our Billings office (406-259-7860)

Respectfully,

John Zellitti
Senior Production Engineer

JZ/mc

Attachment

OIL AND GAS	
RJF	
7 FRM	
SLS	
2 GLH	
DT	
12345	
MICROFILM	
A	FILE

**EQUITABLE RESOURCES
ENERGY COMPANY****BALCRON OIL DIVISION**

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365 ☐FAX: (406) 245-1361 ☐

May 20, 1994

---VIA FAX AND MAIL---

Mr. Dan Jarvis
State Of Utah
Division Of Oil, Gas, & Mining
55 West North Temple
3 Triad Center, Suite-350
Salt Lake City, Utah 84180

Dear Dan,

Re: Application For UIC Water Injection Permit
Balcron Monument Federal #42-1J 43-013-31404
SE NE Section 1, T9S, R16E
Duchesne County, Utah
Jonah Unit

In regards to the problem with the cement bond log on the above referenced well I have compared calculated cement tops to the estimated cement tops from the CBL. The well was cemented with 112 sacks of Drifty-Lite (3.57 cubic feet per sack) as a lead cement and 254 sacks 50/50 Poz (1.28 cubic feet per sack) as the tail cement. Using the integrated annulus volume presented on the open-hole logs, the top of the tail and lead cement is calculated to be at approximately 4330' KB and 2310' KB respectively. Using the Cement Bond Log, the estimated top of the tail cement is approximately 4100' KB and the top of the lead cement is not shown. Apparently Dale Griffin, who was supervising the logging operation, thought that he had logged the top of the cement and cut the log short. In comparison to other wells drilled in the Jonah Unit, I feel comfortable that the cement job in this well has adequately isolated the proposed injection zone from the surrounding formations. At this time it is my proposal not to rerun the cement bond log on this well, however Balcron Oil will follow any decision set forth by your office.

If you require any further information, please contact me at our Billings office (406-259-7860)

Respectfully,

John Zellitti
Senior Production Engineer

JZ/mc

Attachment



CUSTOMER	BALCRON	DATE	11-14-93	SER SUP	REX EDWARDS	TYPE JOB	L/S				
LEASE & WELL NAME	OCSG FEB 47-10	LOCATION	SEC 1 T 9S R 16E	COUNTY-PARISH-BLOCK	DUCHESE						
DISTRICT	VERNAL	DRILLING CONTRACTOR	RIG #	OPERATOR							
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS	LIST CSG HARDWARE		SO MANI FOLD Y N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP RUBBER 5½	29 CENT. 1 STP COLL, 1 BX TRDLCK, 1 GD SHO 1 CDI FLT COLL				SLURRY WGT PPG	SLURRY YLD FT³	WATER GPM	PUMP TIME HR/MIN	Bbl SLURRY	Bbl MIX WATER
20 BBL WMW-1										20	20
(LEAD) 112 SKS G + 4% THIRTY-LITE + 3% SALT						H2O	3.57	22.54	4	71	60
+ 3#/SK CSE + ¼ #/SK CELLO SEAL		399.84 ft³									
(TAIL) 258 SKS 50/50 POZ + 2% GEL + 10% SALT						14.1	1.28	5.56	3	59	34
+ ¼ #/SK CELLO SEAL		330.24 ft³									
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.				TOTAL		150	114		
HC	TBG-CSG-D.P.				TBG-CSG-D.P.				COLLAR DEPTHS		
SIZE INCH	WT LBS	SIZE INCH	WT LBS	DEPTH FEET	SIZE INCH	WT LBS	DEPTH FEET	SIZE INCH	FLOAT	STAG	
7 7/8	5850	5½	15-5	K	5850				5808.42/5763	34	
LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE INCH	WT LBS	TYPE	DEPTH FEET	BRAND & TYPE	DEPTH FEET	TOP	BTM	SIZE INCH	THREAD	TYPE	WGT LBS
8 5/8	24	J-55						5½	8RD		
CAL DISPL VOL-Bbl		CAL PSI		CAL MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID	
TBG	CSG	CSG	TOTAL	BUMP PLUG	TO REV	SO PSI	RATED	OP	RATED	OP	TYPE WGT
.0238	5763.34	137.2	1000						4810	3848	H2O 8.3 RIG
EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG ETC. PRIOR TO CEMENTING:											
PRESSURE/RATE DETAIL						EXPLANATION					
TIME HR MIN AM	PIPE	ANNULUS	RATE BPM	Bbl FLUID PUMPED	FLUID TYPE	SAFETY MEETING WPS CREW CO REP <input type="checkbox"/>					
						TEST LINES PSI					
						CIRCULATING WELL-RIG WPS <input type="checkbox"/>					
2:38	200				SAPP	START MUD FLUSH					
2:42	200			20	H2O	START H2O					
2:44	200			30	CMT	START LEAD CMT					
2:57	200			101	CMT	START TAIL CMT					
3:07				160		SHUT DOWN WASH PUMP & LINES DROP PLUG					
3:10	200				H2O	START DISPLACEMENT					
3:33	1900			297		BUMP PLUG SHUT DOWN					
3:34						CHECK FLOAT FLOAT HELD					
THANKS!											
REX AND CREW											
PSI TO BUMP	TEST FLOAT EQUIP	TOTAL Bbl PUMPED	Bbl CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER SUP. REX EDWARDS					
						CUSTOMER REF A1 PLATKUTT					

MA 2

THANKS!
REX AND CREW



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐

May 20, 1994

Mr. Dan Jarvis
State Of Utah
Division Of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite-350
Salt Lake City, Utah 84180

---VIA FAX AND MAIL---

Dear Dan,

Re: Application For UIC Water Injection Permit
Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah
Jonah Unit

In regards to the problem with the cement bond log on the above referenced well I have compared calculated cement tops to the estimated cement tops from the CBL. The well was cemented with 112 sacks Thrifty-Lite (3.57 cubic feet per sack) as a lead cement and 258 sacks 50/50 Poz (1.28 cubic feet per sack) as the tail cement. Using the integrated annulus volume presented on the open-hole logs, the top of the tail and lead cement is calculated to be at approximately 4330' KB and 2310' KB respectively. Using the Cement Bond Log, the estimated top of the tail cement is approximately 4100' KB and the top of the lead cement is not shown. Apparently Dale Griffin, who was supervising the logging operation, thought that he had logged the top of the cement and cut the log short. In comparison to other wells drilled in the Jonah Unit, I feel comfortable that the cement job in this well has adequately isolated the proposed injection zone from the surrounding formations. At this time it is my proposal not to rerun the cement bond log on this well, however Balcron Oil will follow any decision set forth by your office.

If you require any further information, please contact me at our Billings office (406-259-7860).

Respectfully,

John Zellitti
Senior Production Engineer

JZ/mc

Attachment

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

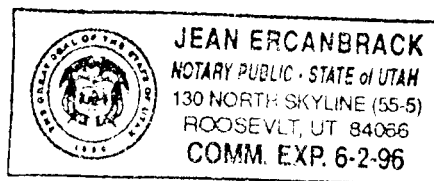
I, Craig L. Ashby on oath, say that I am the
PUBLISHER of the Uintah Basin Standard, a weekly
newspaper of general circulation, published at
Roosevelt, State and County aforesaid, and that a certain
notice, a true copy of which is hereto attached, was
published in the full issue of such newspaper
for 1 consecutive issues, and that the first
publication was on the 24 day of May,
1994, and that the last publication of such notice was
in the issue of such newspaper dated the 24 day
of May, 1994.

Subscribed and sworn to before me this

27 day of May, 1994

Jean Ercanbrack

Notary Public



NOTICE OF AGENCY ACTION

CAUSE NO. UIC-151
IN THE MATTER OF
THE APPLICATION OF
EQUITABLE RE-
SOURCE ENERGY
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL TO CONVERT
THE FEDERAL 1-33,
FEDERAL 1-24, FED-
ERAL 1-13, FEDERAL
42-1J AND GETTY 12-1
WELLS LOCATED IN
SECTIONS 1 & 12,
TOWNSHIP 9 SOUTH,
RANGE 16 EAST, S.L.M.,
DUCHESNE COUNTY,
UTAH, TO CLASS II IN-
JECTION WELLS

THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given
that the Division is com-
mencing an informal adju-
dicative proceeding to con-
sider the application of
Equitable Resources En-
ergy Company ("Equi-
table") for administrative
approval to convert the
Federal 1-33, Federal 1-24,
Federal 1-13, Federal 42-
1J and Getty 12-1 Wells,
located in Sections 1 & 12,
Township 9 South, Range
16 East, Duchesne County,
Utah, to Class II injection
wells. The proceeding will
be conducted in accordance
with Utah Admin. R.649-
10, Administrative Proce-

dures.

Equitable proposes to
inject water into the cap-
tioned wells in the Green
River Formation interval at
approximately 4116-4980
feet, for the purpose of sec-
ondary recovery opera-
tions. Equitable is request-
ing a maximum injection
pressure of 2000 psig and
estimates the injection vol-
ume to be approximately
600 barrels of water per
day for each well.

Any person desiring to
object to the application or
otherwise intervene in the
proceeding, must file a
written protest or notice of
intervention with the Divi-
sion within fifteen days of
the date of publication of
this notice. If such a protest
or notice of intervention is
received, a hearing may be
scheduled before the Board
of Oil, Gas and Mining.
Protestants and/or interve-
nors should be prepared to
demonstrate at the hearing
how this matter affects their
interests.

DATED this 10th day of
May, 1994.

STATE OF UTAH DI-
VISION OF OIL, GAS
AND MINING, R.J. Firth,
Associate Director, Oil and
Gas

Published in the Uintah
Basin Standard May 24,
1994

COPY

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX ID # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune (NA) DESERET NEWS

CUSTOMER'S
COPY

LEGAL ADVERTISING INVOICE

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	LE-5385340	05/20/94
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-151 BEFORE DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON MAY 19 1994

SIGNATURE _____

DATE 05/20/94

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-151
BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE FEDERAL 1-33, FEDERAL 1-24, FEDERAL 1-43, FEDERAL 42-1J AND GETTY 12-1 WELLS LOCATED IN SECTIONS 1 & 12, TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the Federal 1-33, Federal 1-24, Federal 1-43, Federal 42-1J and Getty 12-1 Wells located in Sections 1 & 12, Township 9 South, Range 16 East, S.L.M., Duchesne County, Utah, to Class II Injection Wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River formation interval of approximately 4146-4980 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psi and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 10th day of May, 1994.

STATE OF UTAH
DIVISION OF OIL, GAS AND
MINING
/s/ R. J. Firth
Associate Director, Oil and Gas
5G820020

ACCOUNT NAME		TELEPHONE
DIV OF OIL, GAS & MINING		801-538-5340
SCHEDULE		AD NUMBER
MAY 19 1994		5G820020
CUST. REF. NO.	CAPTION	MISC. CHARGES
-151	NOTICE OF AGENCY ACTION CAUSE NO. UIC-151 BEFORE	.00
SIZE	TIMES	RATE
31 LINES 1 COLUMN	1	1.64
DUE AND PAYABLE ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE
		132.84

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE

LEGAL ADV06 NT

ACCOUNT NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
LE-5385340	5G820020	05/20/94	132.84

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P.O. BOX 45838
SALT LAKE CITY, UTAH 84145-0838

MAKE CHECKS PAYABLE TO:
NEWSPAPER AGENCY CORPORATION

DIV OF OIL, GAS & MINING
355 WEST NORTH TEMPLE
3 TRIAD CENTER #350
SLC, UT 84180

076507706200209000000000000000013284187618817311310111111111111111124395

BUDGET NOTICE

A public hearing will be held in the School District Office, Duchesne, Utah, on Thursday, June 9th, 1994, beginning at 8 p.m., on the proposed budget of Duchesne County School District for the 1994-95 fiscal year ending June 30, 1995, also, on the revised budget for the 1993-94 fiscal year ending June 30, 1994.

By order of the Board of Education of Duchesne County School District.

Philip R. Thompson,
Business Administrator
Published in the Uintah
Basin Standard May 24,
1994

VBS. May 24 1994

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-151
IN THE MATTER OF
THE APPLICATION OF
EQUITABLE RE-
SOURCE ENERGY
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL TO CONVERT
THE FEDERAL 1-33,
FEDERAL 1-24, FED-
ERAL 1-13, FEDERAL
42-1J AND GETTY 12-1
WELLS LOCATED IN
SECTIONS 1 & 12,
TOWNSHIP 9 SOUTH,
RANGE 16 EAST, S.L.M.,
DUCESNE COUNTY,
UTAH, TO CLASS II IN-
JECTION WELLS

THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the Federal 1-33, Federal 1-24, Federal 1-13, Federal 42-1J and Getty 12-1 Wells, located in Sections 1 & 12, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Proce-

dures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4116-4980 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 10th day of May, 1994.

STATE OF UTAH DI-
VISION OF OIL, GAS
AND MINING, R.J. Firth,
Associate Director, Oil and
Gas

Published in the Uintah
Basin Standard May 24,
1994

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
DECISION DOCUMENT**

Applicant: Balcron Oil **Location:** Jonah Unit

Wells: Federal 1-33,1-24,1-33,42-1,1-12 and 1-13

Ownership Issues: The proposed wells are located in sections 1 and 12, township 9 south, range 16 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

Well Integrity: The five wells proposed for conversion to injection all have surface casing set at approximately 300 feet \pm 30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 5800 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4638-5110 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 14 producing wells and 10 injection wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

Ground Water Protection: The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .861 psi/ft resulting in a maximum allowed surface pressure of 2000 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

Oil/Gas & Other Mineral Resources Protection: Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed

before the Board of Oil, Gas and Mining when the matter was heard.

Bonding: Balcron is the operator of all wells within the project and is bonded by the Federal Government.

Actions Taken and Further Approvals Needed: These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 25 day comment period if no objections are received it is recommended to issue both an approval to convert the wells and an injection permit. There are no special conditions or stipulations and the permit should be granted in accordance with the conditions set forth in the application.

DJJ
Reviewers

06-06-94
Date

INJECTION PERMIT TRACKING RECORD

Company: Balcrum Equitable (19590) Well: # 42-13

Location: Sec. 1 Twn: 9S Rng: 16 E QtQt: SENE

County: Duchene Field: Monument Butte (105) Unit: Jonah (340)

API No.: 43-013-31404

Date Received: 4/6/94

Cause Number: VIC-151

Notice Date: 5/24/94

Conversion Approval: s 6/9/94

Permit Issued: 6/9/94

Commencement: 8/18/94

Drilled: Yes

Code: E

Hearing Date: _____

Wells In AOR: 2 P 3 I



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-151

Operator: Equitable Resources Company

Wells: Monument Butte Federal 42-1J, 1-33, 1-24, 1-13,
and Getty 12-1

Location: Sections 1 and 12, Township 9 S, Range 16 E,
Duchesne County

API No.: 43-013-31404, 43-013-30735, 43-013-30701
43-013-30702, 43-013-30889

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Wells issued on June 9, 1994.
2. Maximum Allowable Injection Pressure: 2000 psig
3. Maximum Allowable Injection Rate: 600 bbls per day/well

Approved by:

R.J. Firth
Associate Director, Oil and Gas

Date



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 9, 1994

Equitable Resources Energy Company
Balcron Oil Division
1601 Lewis Avenue
Billings, Montana 59104

Re: Monument Butte Federal 42-1J, 1-33, 1-24, 1-13, and Getty 12-1 Wells Located in Sections 1 and 12, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the enclosed Underground Injection Control Permit and the application submitted by Equitable Resources Energy Company.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth'.

R.J. Firth
Associate Director

cc: Dan Jackson, EPA
Bureau of Land Management, Vernal



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

CONFIDENTIAL

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

June 10, 1994

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah

Enclosed is a sundry notice of intent to convert the referenced well to water injection.

If you have any questions, please contact John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas & Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 1, T9S, R16E
2087' FNL, 692' FEL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #42-1J

9. API Well No.

43-013- 31404

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator intends to convert this well to water injection in accordance with the attached procedure. Work will commence June 20, 1994.

Approved by State
of Utah Division of
Oil, Gas and Mining
Date: 6-14-94
By: [Signature]

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman
(This space for Federal or State office use)

Regulatory and
Title Environmental Specialist

Date June 10, 1994

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

ATTACHMENT TO SUNDRY NOTICE
FOR CONVERSION TO WATER INJECTION

Jonah Unit

Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah
Lease No. U-52013

Equitable Resources Energy Company, Balcron Oil Division is requesting approval to convert this well to water injection.

The well has been approved by the Utah Division of Oil, Gas & Mining for water injection under Cause No. UIC-151. The well will be converted for injection by setting injection packers just above the existing perforations in the Douglas Creek Member of the Green River Formation. The casing annulus will be filled with Champion Chemical packer fluid (Cortron #23-83) mixed with 60 STB of fresh water. The backside will then be tested for mechanical integrity by pressuring the annulus to 500 psig and being monitored for one hour. Refer to the attached well report, proposed injection well completion diagram, workover procedure, and topographic map for specific well information. All water injection facilities (injection plant and lines) have been installed in accordance with the approval of the Vernal BLM office. Water will be injected into this well at the rate of 200 STB/WD.

6/10/94

JZ

BALCRON OIL**WELL REPORT**

WELL NAME: Balcron Monument Federal #42-1J
FIELD: Monument Butte/Jonah Unit
FEDERAL LEASE NO.: U-40652
LOCATION: SE NE Sec.1, T9S, R16E
COUNTY/STATE: Duchesne County, Utah
WORKING INTEREST: 0.805079506
PRODUCING FORMATION: Green River
COMPLETION DATE: 12-11-93
INITIAL PRODUCTION: 80 STBOPD, 400 MCFPD, 20 STBWPD
OIL/GAS PURCHASER: Amoco-Oil
PRESENT PROD STATUS: Producing
ELEVATIONS - GROUND: 5380'
TOTAL DEPTH: 5850' KB

DATE: 6-9-94 JZ

API NO.: 43-013-31404

NET REVENUE INT.: 0.73831617 Oil
0.66359285 Gas
SPUD DATE: 10-19-93
RIG RELEASE DATE: 11-14-93
OIL GRAVITY: 43 API
BHT:
KB: 5390' KB (10' KB)
PLUG BACK TD: 5761.5' KB

SURFACE CASING

STRING: #1
SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24 lbs
LENGTH: 346'
HOLE SIZE: 12-1/4"
DEPTH LANDED: 356' KB
CEMENT DATA: 180 sxs Class "G" w/additives.

PRODUCTION CASING

STRING: #1
SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5799'
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5809' KB
CEMENT DATA: 112 sxs Thrifty-lite &
tail w/258 sxs 50-50 POZ.
CEMENT TOP AT: 2310' KB from Calculations.

TUBING RECORD

SIZE/GRADE/WT: 2 7/8", J-55, 6.5#
NO. OF JOINTS: 171 jnts @ 5322'
TUBING ANCHOR: N/A
NO. OF JOINTS: N/A
SEATING NIPPLE: 2-7/8" x 1.1' (ID @ 2.25")
PERF. SUB: 2-7/8" x 3'
MUD ANCHOR: 2-7/8" x 31' w/NC
TOTAL STRING LENGTH: 5357'
SN LANDED AT: 5323' KB

SUCKER ROD RECORD

1 - 1-1/4" x 22' Polish Rod
1 - 3/4" x 8' Pony
212 - 3/4" x 25' Plain Rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RWAC
w/Ringed PA Plunger, Trico.
STROKE LENGTH: 82"
PUMP SPEED, SPM: 5 SPM
PUMPING UNIT SIZE: American D-228
S/N D228-G-3837
ENGINE DATA: Ajax E-42, S/N 69880

PERFORATION RECORD

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

ACID JOB

N/A

FRAC JOB

5081' - 86', 5292' - 96': 15,000 lbs 20/40 sand
& 12,000 lbs 16/30 sand
in 403 bbls 2% KCL water.
4779' - 82', 4935' - 38': 18,100 lbs 16/30 sand
in 261 bbls 2% KCL water.

Balcron Monument Federal #42-1J
SE NE Sec.1, T9S, R16E
Lease No. U-40652
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Workover Procedure

6-9-94
JZ

Proposed Operations: Set up injection packer assembly to inject water into the RED1, RED5, GREEN1, & GREEN5 sands, inspect tubing string for integrity, set up wellhead surface equipment for water injection.

Existing Perforations: 4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

Capacity Data: 5 1/2", 15.5 #, J-55 csg 0.0238 STB/FT.
2 7/8", 6.5 #, J-55 tbg 0.00579 STB/FT.
5 1/2" x 2 7/8" annulus 0.0158 STB/FT.

Proposed Workover Procedure

- 1) Set 500 STB frac tank & fill w/2 % KCL water.
Note: Filter all completion water to 50 micron before use.
- 2) MIRU pulling unit, ND wellhead.
- 3) Unseat pump, hot oil rods & tbg w/60 STB of 2% KCl water, TOOH w/rods, pump, & tbg laying down, send tbg out for inspection.
- 4) RIH w/bit & scraper, SN, & inspected tbg, check well for TD, reverse circulate well to TD w/2% KCl water if required, TOOH w/tbg & tools.
Note: Strap tbg going into hole.
- 5) RIH w/Arrow Set-1 packer, SN, and 2 7/8" tbg, land Arrow Set-1 packer @ 4680' KB, load csg annulus with Champion corrosion inhibitor (55 gals Cortron #23-83 w/60 STB 2% KCl water), set injection packers w/12,000 lbs tension, flange up wellhead.
- 6) Pressure test the csg annulus to 600 psig for the integrity test, contact Jerry Bams w/the Vernal BLM to witness the test. Test is to be held @ 500 psig or greater for one hour.
- 7) Treat well w/5 gals Western Claymaster & 10 gals 940 NM Surfactant mixed in 260 STB of 2% KCl water @ 200 Deg.F.
Note: Filter all completion water to 50 micron before use.
- 8) Start injection at a rate of 200 STBWPD (33' pay @ 6 STBWDPDF).
- 9) Let well injection pressure stabilize and run injection profile.
- 10) Determine from injection profile if it is necessary to run isolation packers and injection orifices to force water into all potential flood zones.



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐

May 20, 1994

---VIA FAX AND MAIL---

Mr. Dan Jarvis
State Of Utah
Division Of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite-350
Salt Lake City, Utah 84180

Dear Dan,

Re: Application For UIC Water Injection Permit
Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah
Jonah Unit

In regards to the problem with the cement bond log on the above referenced well I have compared calculated cement tops to the estimated cement tops from the CBL. The well was cemented with 112 sacks Thrifty-Lite (3.57 cubic feet per sack) as a lead cement and 258 sacks 50/50 Poz (1.28 cubic feet per sack) as the tail cement. Using the integrated annulus volume presented on the open-hole logs, the top of the tail and lead cement is calculated to be at approximately 4330' KB and 2310' KB respectively. Using the Cement Bond Log, the estimated top of the tail cement is approximately 4100' KB and the top of the lead cement is not shown. Apparently Dale Griffin, who was supervising the logging operation, thought that he had logged the top of the cement and cut the log short. In comparison to other wells drilled in the Jonah Unit, I feel comfortable that the cement job in this well has adequately isolated the proposed injection zone from the surrounding formations. At this time it is my proposal not to rerun the cement bond log on this well, however Balcron Oil will follow any decision set forth by your office.

If you require any further information, please contact me at our Billings office (406-259-7860).

Respectfully,

John Zellitti
Senior Production Engineer

JZ/mc

Attachment

Balcron Monument Federal #42-1J
SE NE Sec.1, T9S, R16E
Lease No. U-40652
Monument Butte Field
Duchesne County, Utah
Jonah Unit

BALCRON OIL
6-9-94 JZ

Proposed Injection Well Completion Diagram

Elev.GR @ 5380'
Elev.KB @ 5390' (10' KB)

SURFACE CASING

8-5/8", J-55, 24#
Seven joints @ 346'
Landed @ 356' KB.
Cemented w/180 sxs "G" w/additives.
Cemented to surface.
Hole size 12-1/4".

PRODUCTION CASING

5-1/2", K-55, 15.5#
131 joints @ 5799'
Landed @ 5809' KB
Cemented w/112 sxs Thrifty-lite &
tailed w/258 sxs 50-50 POZ.
Cement top @ 2310' KB from Calculations
Hole size 7-7/8".

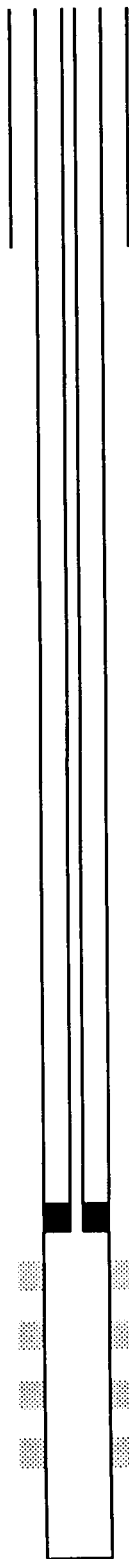
TUBING

2 7/8", J-55, 6.5#
SN @ 2 7/8" x 1.10'
SN Landed @ 4676' KB

Retrievable Csg Tension Packer
Model: Arrow Set-1
Landed @ 4680' KB

Proposed Injection Horizons

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5



<-- 366' KB.

- Uintah Formation Surface to 1400 ft.

<-- Cement @ 2310' KB from Calculations

- Green River Formation 1400 to 4100 ft.

PERFORATION RECORD

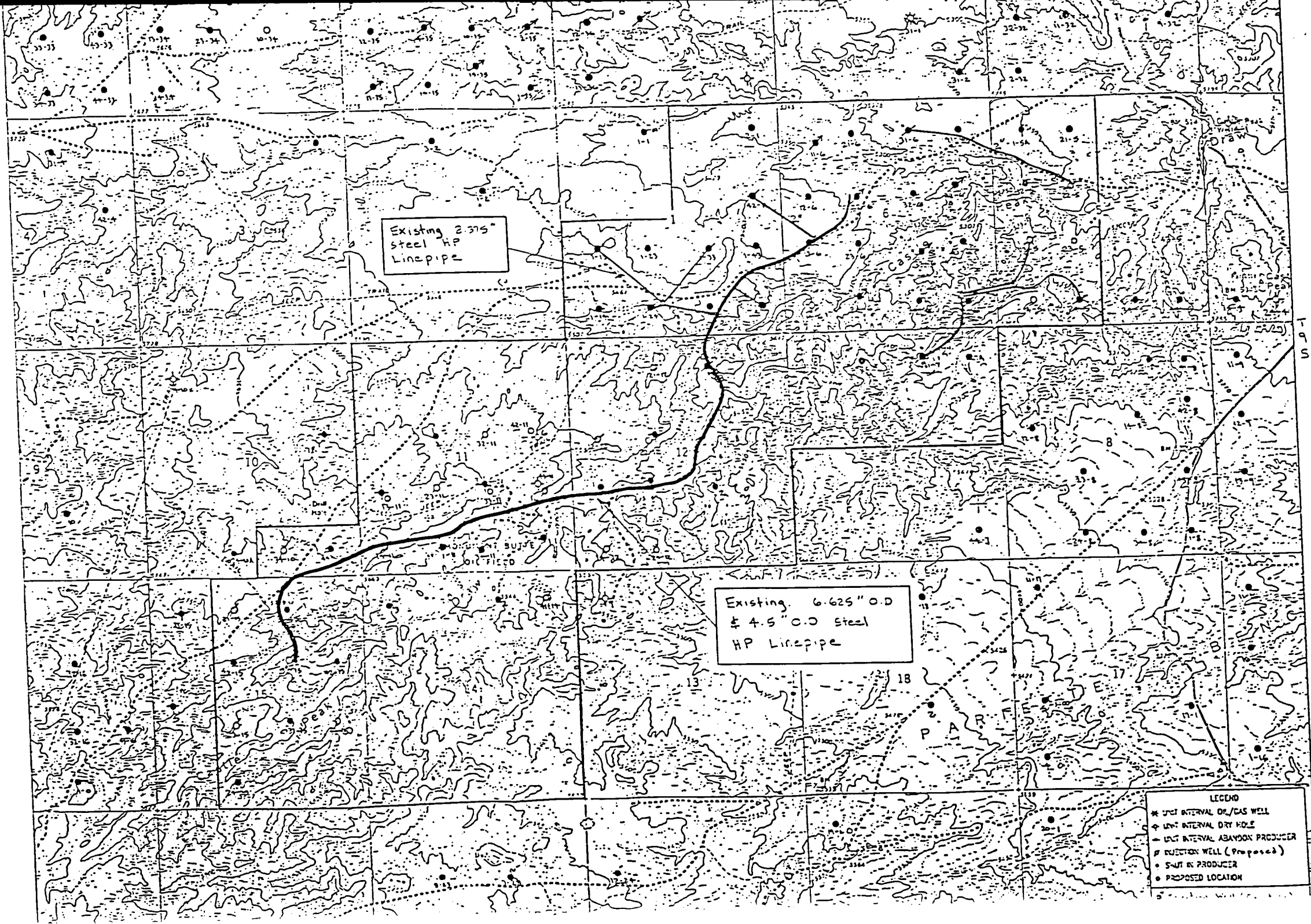
4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

<-- Packer Landed @ 4680' KB

- Douglas Creek Member 4100 to 5350 ft.
- Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5762' KB
TD @ 5850' KB
- Wasatch Formation 6000 ft.

Equitable Resource Energy Company
 Eastern Oil Division
 Marsh Hill Waterflood
 Phase I Completion
 Injection Lines



- LEGEND
- * UNIT INTERVAL DR/GAS WELL
 - + UNIT INTERVAL DRY HOLE
 - UNIT INTERVAL ABANDON PRODUCER
 - INJECTION WELL (Proposed)
 - S.W.T. & PRODUCER
 - PROPOSED LOCATION

Jonah Unit Waterflood
 Existing Injection Lines

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE: SE NE Section 1, T9S, R16E 2087' FNL, 692' FEL
TD:

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Bakron Monument Federal #42-1J

9. API Well No.

43-013-21404

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut-Off
☐ Altering Casing ☐ Conversion to Injection
☒ Other ☐ Dispose Water

(Note: Report results of multiple completions on Well
Completion or Recompletion (Reported Log form))

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the report to the Mechanical Integrity Test on this well.

The well indicated backside pressure. The packer was reset and the well was retested.

Verbal approval was given by Dan Jarvis, Utah Division of Oil, Gas and Mining.

14. I hereby certify that the foregoing is true and correct

Signed

Robbie Schuman

Title Regulatory and Environmental Specialist

Date

9-22-94

(This space for Federal or State office use)

Approved by

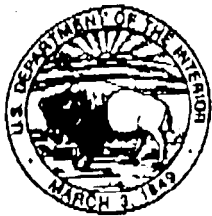
Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078

TAKE
PRIDE IN
AMERICA

IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 789-3634

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. U-40652
Company Name: EREC BALCRON OIL DIV. Date: 9-20-94
Well Name: BALCRON MONUMENT FED. 42-15 Permit No. _____
Field Name: MONUMENT BUTTE County: DUCHESNE
Well Location: SE/NE Sec 1 T 9 S R 16 E
Well Type: SWD _____ ER X 2H _____ Other: _____
Type of Packer: ARROW SET-1 TENSION Total Depth: 5850 KB
Packer Set at (depth): 4699 KB FT
Surface Casing Size: 8 5/8 24# From: SURFACE FT to 366 KB FT
Casing Size: 5 1/2" 15.5 # From: SURFACE FT to 5809 KB FT
Tubing Size: 2 3/8 6.5# EUE Tubing Pressure during Test: 0 psig
Time of Day: 4:00 TO 5:00 am (pm) CHAMPION TECHNOLOGIES
Fluid in Annulus: 2% KCL WATER W/55 GAL. CARTRON R-2393 PACKER FLUID

	Test #1	Test #2
0 Min:	<u>1000</u> psig	_____ psig
5	<u>1000</u> psig	_____ psig
10	<u>1000</u> psig	_____ psig
15	<u>1000</u> psig	_____ psig
20	<u>1000</u> psig	_____ psig
25	<u>1000</u> psig	_____ psig
30	<u>1000</u> psig	_____ psig
35	<u>1000</u> psig	_____ psig
40	<u>1000</u> psig	_____ psig
45	<u>1000</u> psig	_____ psig
50	<u>1000</u> psig	_____ psig
55	<u>1000</u> psig	_____ psig
60	<u>1000</u> psig	_____ psig

Test Conducted by: DALE GRIFFIN
Inspected by: _____
Others Present: PAT WISENER (ALLNIGHTER HOT OIL SERVICE)



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361 ✓

September 22, 1994

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah

Enclosed is a copy of the report of the Mechanical Integrity
Test which was run on the referenced well.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosure

cc: Utah Division of Oil, Gas and Mining

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>8/12/94</u>	Well Owner/Operator: <u>Cymitable</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31404</u>	Well Name/Number: <u>42-1-S</u>
Section: <u>1</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: Not injecting Pressure: 1025 psi gas pressure.
Casing/Tubing Annulus - Pressure: 1000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>300</u>
5	<u>1000</u>	<u>300</u>
10	<u>1000</u>	<u>300</u>
15	_____	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

Casing/Tubing Annulus Pressure: _____ psi

REMARKS:

Blew off gas pressure in tubing
to 300 psi remained
of 300 psi for 15 min period.

Don Thompson
Operator Representative

D. J. [Signature]
DOGM Witness

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-40652

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #42-1J

9. API Well No.

43-013-31404

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NE Section 1, T9S, R16E
2087' FNL, 692' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well has been converted to water injection in accordance with permit approval. Refer to the attached workover procedure, well report, and injection well completion diagram for details of the conversion.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date January 13, 1995

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Balcron Monument Federal #42-1J
Jonah Unit/Monument Butte Field
SE NE Section 1, T9S, R16E
Duchesne County, Utah

WELL HISTORY REPORT

Date

Work Description

Conversion of well to water injection.

7-23-94	- MIRU Basin Well Service, TOOH w/rods,pump, & tbg. - RIH w/bit & scrapper to TD.
8-5-94	- RIH w/ 2 7/8" injection tbg & Arrow Set-1 packer. - Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg. - Set packer @ 4699' KB, NU wellhead, pressure test csg annulus to 1000 psig. no loss, RDMO.
8-19-94	Perform MIT, pressure csg annulus to 1000 psig for one hour, no loss, company witness Dale Griffin, other witness Pat Wisener w/ Alnighther Hot Oil.
8-18-94	RU Alnighther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., start water injection @ 200 STBPD.

Balcron Monument Federal #42-1J
SE NE Sec.1, T9S, R16E
2087' FNL & 692' FEL
Lease No. U-40652
Monument Butte Field
Duchesne County, Utah
Jonah Unit

BALCRON OIL
1-10-94 JZ

Injection Well Completion Diagram

Elev.GR @ 5380'
Elev.KB @ 5390' (10' KB)

UTAH CAUSE NO.: UIC-151

SURFACE CASING

8-5/8" J-55, 24#
Seven joints @ 346'
Landed @ 356' KB.
Cemented w/180 sxs "G" w/additives.
Cemented to surface.
Hole size 12-1/4".

← 366' KB.

- Uintah Formation Surface to 1400 ft.

PRODUCTION CASING

5-1/2" K-55, 15.5#
131 joints @ 5799'
Landed @ 5809' KB
Cemented w/112 sxs Thrifty-lite &
tailed w/258 sxs 50-50 POZ.
Cement top @ 2310' KB from Calculations
Hole size 7-7/8".

← Cement @ 2310' KB from Calculations

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 147 jnts 2 7/8" tbg	4681.17	4691.17
2) 2 7/8" SN (2.25" ID)	1.10	4692.27
3) 5.5" Arrow Set-1 Pkr	7.00	4699.27
End of Tubing		4699.27

- Green River Formation 1400 to 4100 ft.

PERFORATION RECORD

4779' - 4782' (3') 2 SPF RED1
4935' - 4938' (3') 2 SPF RED5
5081' - 5086' (5') 2 SPF GREEN1
5292' - 5296' (4') 2 SPF GREEN5

Injection Packers Set 8-5-94 By Mtn States.

2 7/8" SN ID @ 2.25".
Arrow Set-1 Pkr set w/ 15" Tension.
Packer fluid - 55 gals Champion Cortron #23-83
w/60 STBW.

← Arrow Set-1 Packer @ 4699' KB

Injection Horizons

4779' - 4782' (3') RED1
4935' - 4938' (3') RED5
5081' - 5086' (5') GREEN1
5292' - 5296' (4') GREEN5

26%

24%

12%

38%

- Douglas Creek Member 4100 to 5350 ft.
- Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5762' KB
TD @ 5850' KB

- Wasatch Formation 6000 ft.

Tracer Survey ran 12-2-94.

BALCRON OIL

WELL NAME: Balcron Monument Federal #42-1J
 FIELD: Monument Butte/Jonah Unit
 FEDERAL LEASE NO.: U-40652
 LOCATION: SE NE Sec.1, T9S, R16E
 2087' FNL & 692' FEL
 COUNTY/STATE: Duchesne County, Utah
 WORKING INTEREST: 0.805079506
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 12-11-93
 INITIAL PRODUCTION: 80 STBOPD, 400 MCFPD, 20 STBWD
 LAST PRODUCTION: 11 STBOPD, 30 MSCFPD, 0.25 STBWD
 PRESENT PROD STATUS: Water Injection Well
 Started Water injection 8-18-94.
 CONVERSION TO INJ.: 8-5-94
 INJECTION RATE: 200 STBWD
 ELEVATIONS - GROUND: 5380'
 TOTAL DEPTH: 5850' KB

SURFACE CASING

STRING: #1
 SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24 lbs
 LENGTH: 346'
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 356' KB
 CEMENT DATA: 180 sxs Class "G" w/additives.

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT. (w/10' KB)
KB	10.00	
1) 147 jnts 2 7/8" tbg	4681.17	4691.17
2) 2 7/8" SN (2.25" ID)	1.10	4692.27
3) 5.5" Arrow Set-1 Pkr	7.00	4699.27
End of Tubing		4699.27

Injection Packers Set 8-5-94 By Mtn States.

2 7/8" SN ID @ 2.25".
 Arrow Set-1 Pkr set w/ 15" Tension.
 Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

Injection Horizons

4779' - 4782' (3') RED1
 4935' - 4938' (3') RED5
 5081' - 5086' (5') GREEN1
 5292' - 5296' (4') GREEN5

WELL REPORT

DATE: 1-10-94 JZ

API NO.: 43-013-31404
 UTAH CAUSE NO.: UIC-151

NET REVENUE INT.: 0.73831617 Oil
 0.66359285 Gas
 SPUD DATE: 10-19-93
 OIL GRAVITY: 43 API
 BHT:

LAST MIT DATE: 9-20-94
 1000 psig for 1 hr, no loss.

KB: 5390' KB (10' KB)
 PLUG BACK TD: 5761.5' KB

PRODUCTION CASING

STRING: #1
 SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 5799'
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5809' KB
 CEMENT DATA: 112 sxs Thrifty-lite &
 tail w/258 sxs 50-50 POZ.
 CEMENT TOP AT: 2310' KB from Calculations.

PERFORATION RECORD

4779' - 4782' (3') 2 SPF RED1
 4935' - 4938' (3') 2 SPF RED5
 5081' - 5086' (5') 2 SPF GREEN1
 5292' - 5296' (4') 2 SPF GREEN5

ACID JOB

FRAC JOB

5081' - 5086', 15,000 lbs 20/40 sand
 5292' - 5296': & 12,000 lbs 16/30 sand
 in 403 bbls 2% KCL water.

4779' - 4782', 18,100 lbs 16/30 sand
 4935' - 4938': in 261 bbls 2% KCL water.



**EQUITABLE RESOURCES
ENERGY COMPANY**

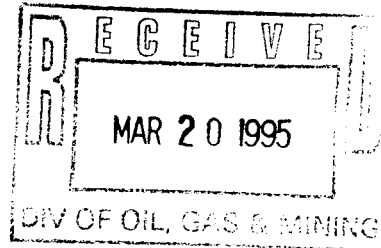
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒



March 16, 1995

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman
Regulatory and Environmental Specialist

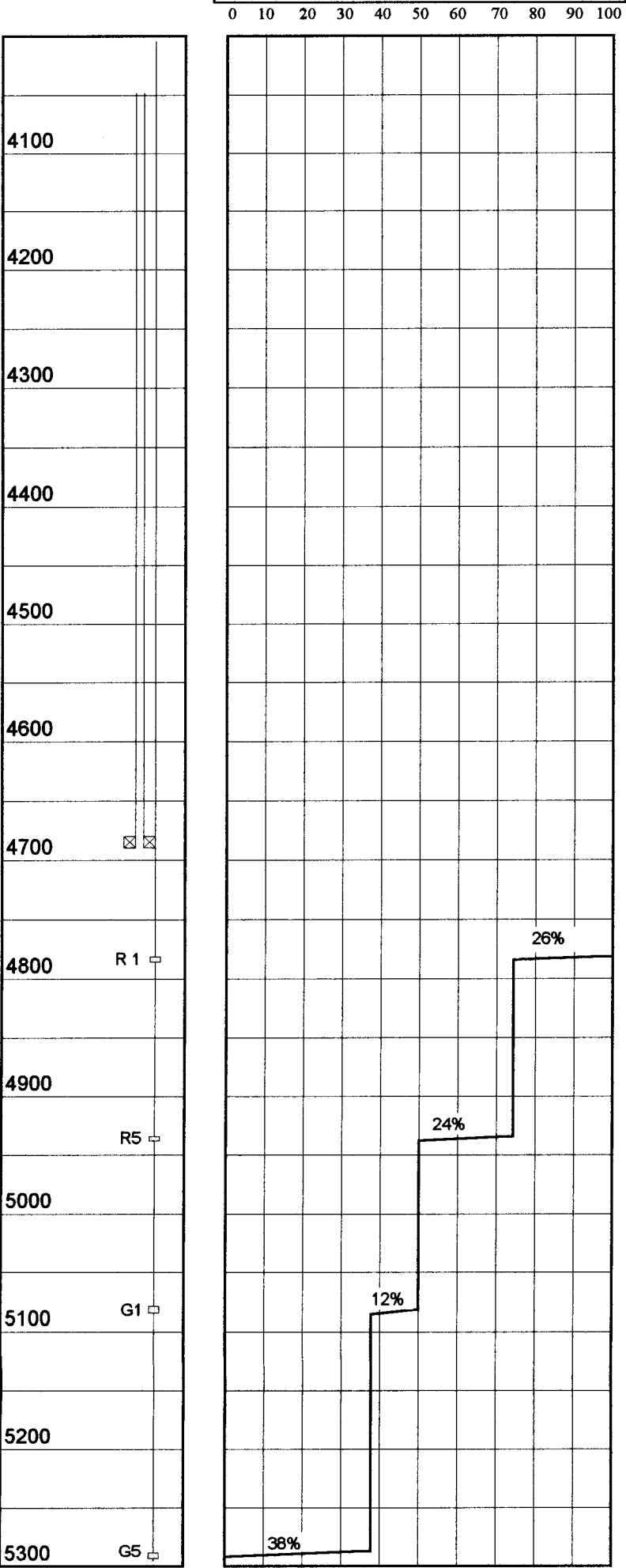
/hs

Attachments

EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION
INJECTION PROFILE

BALCRON MONUMENT
FEDERAL 42-1J

Date: 12/2/94	Desired Rate: 200 B/D
Surface Temp: 52 F	Metered Rate: 194 B/D
BHT: 154 F	Measured Rate: 168 B/D
PBTD: 5764	Tbg Pressure: 1850 PSI
TD: 5685	Csg Pressure: 0 PSI



Remarks: R/A Tracer survey indicates exits as shown. Packer checks okay.
Service Company: Well Information Services, Inc.
Operator: Bart Williams



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

APR 4 1996

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

April 1, 1996

Mr. Dan Jarvis
Utah Division of Oil, Gas and Mining
UIC Program
355 West North Temple
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

UTAH UIC PERMITS

Balcron Oil Monument Butte Jonah Unit Waterflood (new name)	
Formerly Monument Butte Area-A Waterflood Approved 12/22/92	
Area Permit No. UT2642-00000	
Allen Federal #22-6	UT2642-03729 (AREA PERMIT UT2642-00000)
Allen Federal #13-6	UT2642-03730 (AREA PERMIT UT2642-00000)
Allen Federal #31-6	UT2642-03731 (AREA PERMIT UT2642-00000) (State #UIC-142)
Allen Federal #1-6	UT2642-03732 (AREA PERMIT UT2642-00000)
Allen Federal #1A-5	UT2642-03733 (AREA PERMIT UT2642-00000)
	NOTE: Never converted to UIC - put back on production
Balcron Monument Fed. #11-6	UT2642-03734 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #24-6	UT2642-03735 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #33-6	UT2642-03736 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #42-6	UT2642-03737 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #13-5J	UT2642-04208 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #22-5J	UT2642-04209 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #24-5	UT2642-04210 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #31-7J	UT2642-04211 (AREA PERMIT UT2642-00000) (State #UIC-149)
Monument Butte #1-33	State #UIC-151
Monument Butte #1-24	State #UIC-151
Monument Butte #1-13	State #UIC-151
Balcron Monument Fed. #42-1J	State #UIC-151
Getty #12-1	State #UIC-151
Balcron Monument Fed. #41-15	State #UIC-152
Balcron Monument Fed. #32-15	State #UIC-152
Balcron Monument Fed. #23-15	State #UIC-152
Balcron Monument Fed. #41-14J	State #UIC-152
Balcron Monument Fed. #21-14J	State #UIC-152
Balcron Monument Fed. #32-12J	State #UIC-152
C & O Gov't #4	State #UIC-152
Balcron Monument Fed. #14-12J	State #UIC-152
Balcron Monument Fed. #12-12J	State #UIC-152
Balcron Monument Fed. #43-11J	State #UIC-152
Balcron Monument Fed. #32-11	State #UIC-152

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:
See attached listing

6. If Indian, Allottee or Tribe Name:
n/a

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

10. Field and Pool, or Wildcat:
See attached listing

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature: Bobbie Schuman
Bobbie Schuman

Regulatory and

Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

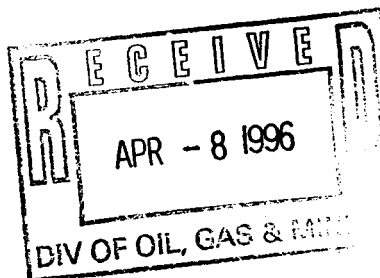
Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DTB 58-FILE
3	VLD (GIL)
4	RJR
5	LEP
6	FTM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ~~XXX~~ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>D13-31404</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Rec'd 4-4-96 & 4-8-96
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Seleo Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary".

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	16E	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N

RECEIVED

OCT 10 1997

RECEIVED

OCT 13 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached ****JONAH (GREEN RIVER) UNIT**
Field or Unit name: See Attached API no. See Attached
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached
Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.
Signature [Signature] Address 1601 Lewis Avenue
Title Director of Operations & Engineering Billings, MT 59102
Date 9-30-97 Phone (406) 259-7860

Comments:

NEW OPERATOR

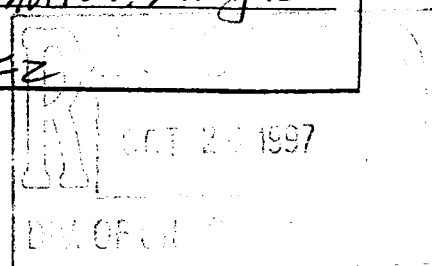
Transfer approved by:

Name Chris A. Potter Company Inland Production Company
Signature [Signature] Address 475 - 17th Street, Suite 1500
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202
Date 9-30-97 Phone (303) 292-0900

Comments:

(State use only)

Transfer approved by [Signature] Title Environ. Manager
Approval Date 1-20-98 CAUSE # 228-2



Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 159S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438
11431

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

(This space for State use only)



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

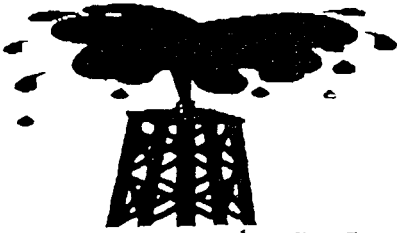
Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
JAN 14 1998
U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO
UT-931

January 13, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Jonah (Green River) Unit
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Jonah (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133140600X1	21-12J	NENW	12	9S	16E	ABD	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133142200X1	21-15J	NENW	15	9S	16E	ABD	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

SECONDARY
ALLOCATION

FEDERAL 100.00%

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-LEC	6-VLD
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JBB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97TO: (new operator) INLAND PRODUCTION COMPANY(address) PO BOX 1446ROOSEVELT UT 84066Phone: (801) 722-5103Account no. N5160

FROM: (old operator)

(address)

EQUITABLE RESOURCES ENERGYPO BOX 577LAUREL MT 59044C/O CRAZY MTN O&G SVSPhone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

*JONAH (GREEN RIVER) UNIT

Name: **SEE ATTACHED**	API: <u>43-013-31404</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- LEC 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- LEC 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state**? (yes/no) _____ If yes, show company file number: _____
- LEC 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- LEC 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) * UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98.
- LEC 6. **Cardex** file has been updated for each well listed above.
- LEC 7. Well **file labels** have been updated for each well listed above.
- LEC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- LEC 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- sc 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
Entity 11492 "Joch (GP) Unit"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A sc 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A sc 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- VB 1. All attachments to this form have been **microfilmed**. Today's date: 2.3.98.

FILING

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

980114 BLM/SL Aprv. eff. 1-13-98

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
COASTAL OIL	43-013-30337	G. HANSON #2	02S	03W	4	INJD	Y
COASTAL OIL	43-013-30038	2-23B4 LAKE	02S	04W	23	INJD	Y
COASTAL OIL	43-013-30371	L RUSSELL 2-	02S	04W	32	INJD	Y
COASTAL OIL	43-013-30391	EHRICH 2-11B	02S	05W	11	INJD	Y
COASTAL OIL	43-013-30340	LDS CHURCH #	02S	05W	27	INJD	Y
COASTAL OIL	43-047-31996	NBU 159	09S	21E	35	INJD	Y
COCHRANE RES	43-037-30815	3-23	38S	25E	23	INJW	N
COCHRANE RES	43-037-30690	1-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31145	4-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31761	WDW 1	38S	25E	25	INJD	N
COCHRANE RES	43-037-30762	3-26	38S	25E	26	INJW	N
CROSS CREEK	43-037-16269	SOUTH ISMAY	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	✓43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	✓43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	✓43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>Mon. FED #42-1J</u>	API Number: <u>43-013-31404</u>
Qtr/Qtr: <u>SE/NE</u>	Section: <u>1</u> Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>INLAND PRODUCTION COMPANY</u>	
Lease: State <u> </u>	Fee <u> </u> Federal <u>X</u> Indian <u> </u>
Inspector: <u>Hannis L. Ingram</u>	Date: <u>05-01-00</u>

Initial Conditions:

Tubing - Rate: Pressure: 1720 psiCasing/Tubing Annulus - Pressure: 1045 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1045 PSI</u>	<u>1720 PSI</u>
5	<u>1045 "</u>	<u>1720 PSI</u>
10	<u>1045 "</u>	<u>1720 PSI</u>
15	<u>1045 "</u>	<u>1720 PSI</u>
20	<u>1045 "</u>	<u>1720 PSI</u>
25	<u>1045 "</u>	<u>1720 PSI</u>
30	<u>1045 "</u>	<u>1720 "</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1720 psiCasing/Tubing Annulus Pressure: 1045 psi

COMMENTS: Tested for 5 year Rule. Injecting down tubing
@ 39.48 BPD. ALSO RECORDED TEST ON CHANT.

8:00 AM To 8:30 AM

Roy Liddell
 Operator Representative

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-40652	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		7. UNIT AGREEMENT NAME JONAH	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/NE 2087 FNL 0692 FEL		8. FARM OR LEASE NAME MONUMENT FEDERAL 42-1J	
14. API NUMBER 43-013-31404		9. WELL NO. MONUMENT FEDERAL 42-1J	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5380 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
12. COUNTY OR PARISH DUCHESNE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/NE Section 1, T09S R16E	
13. STATE UT			
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) 5-Year M.I.T.	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*			

A MIT was performed on the subject well to fulfill the 5 year requirement. Mr. Dennis Ingram of the State DOGM was notified of the intent to conduct an MIT on May 30, 2000. On June 1, 2000 the casing annulus was pressured to 1045 psi and maintained for 30 minutes with no pressure loss. Mr. Ingram was able to witness and approved the test.

18 I hereby certify that the foregoing is true and correct
SIGNED Jody Liddell TITLE Production Foreman DATE 6/2/00

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Accepted by the
Utah Division of
Oil, Gas and Mining
* See Instructions On Reverse Side

Date: 6/5/00

By: [Signature]

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dennis Ingram

Date 6/1/00 Time 8:00 am pm

Test Conducted by: Roy Liddell

Others Present: _____

Well: Monument Fed 42-1J-9-16

Field: Monument Butte

Well Location:

API No: 43-013-31404

SE NE, SEC 1-T9S-R16E

Duchesne, Co, Utah

Time

Casing Pressure

0 min	<u>1045</u>	psig
5	<u>1045</u>	psig
10	<u>1045</u>	psig
15	<u>1045</u>	psig
20	<u>1045</u>	psig
25	<u>1045</u>	psig
30 min	<u>1045</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1720 psig Injecting @ 39.48 BPD

Result:

Pass

Fail

Signature of Witness:

Dennis L Ingram

Signature of Person Conducting Test:

Roy Liddell

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
AMMENDED STATEMENT OF BASIS**

Applicant: Inland Production Company

Well	API Number	Location	Unit
Mon. Butte Fed. 3-25	43-013-31605	25-8S-16E	Mon. Butte NE
Mon. Butte Fed. 13-25	43-013-31513	25-8S-16E	Mon. Butte NE
State 14-32	43-013-31039	32-8S-16E	Wells Draw
Federal 44-33B	43-013-31240	33-8S-16E	Wells Draw
Mon. Butte 5-34	43-013-31499	34-8S-16E	Travis
Mon. Federal 9-34	43-013-31407	34-8S-16E	Monument Butte
Federal 23-34B	43-013-31241	34-8S-16E	Wells Draw
Mon. Federal 15-35	43-013-31264	35-8S-16E	Monument Butte
Mon. Federal 1A-35	43-013-31514	35-8S-16E	Monument Butte
MB 3-35-8-16	43-013-30608	35-8S-16E	Monument Butte
Federal 5-35	43-013-30686	35-8S-16E	Monument Butte
MB 13-35-8-16	43-013-30745	35-8S-16E	Monument Butte
MB 1-36-8-16	43-013-30592	36-8S-16E	Monument Butte
MB 13-36-8-16	43-013-30623	36-8S-16E	Monument Butte
State 5-36	43-013-30624	36-8S-16E	Monument Butte
Mon. Federal 12-25	43-047-32526	25-8S-17E	Humpback
Gilsonite St. 13-32	43-013-31403	32-8S-17E	Gilsonite
Odekirk 7-36-8-17	43-047-33078	36-8S-17E	Odekirk Spring
Mon. Federal 42-1J	43-013-31404	01-9S-16E	Jonah
Federal 41-5G	43-013-31205	05-9S-16E	Wells Draw
Castle Peak Fed. 43-5	43-013-30858	05-9S-16E	Wells Draw
Allen Fed. 1-5A	43-013-15780	05-9S-17E	Jonah
Mon. Fed. 24-6	43-013-31363	06-9S-17E	Jonah
Allen Fed. 1-6	43-013-15779	06-9S-17E	Jonah
Mon. Fed. 33-8	43-013-31427	08-9S-17E	Beluga

The wells listed above are all currently permitted Class II injection wells in the Monument Butte Secondary Recovery area. The wells are located in various secondary recovery units as shown above. Inland has requested approval to open additional perforations in these injection wells. Some of the requested perforations are above existing perforations, some are in the existing perforated interval and some are below the existing perforations. All requested perforations are within the Green River Formation which is the unitized interval for all of the Monument Butte area secondary recovery units. Cement Bond Logs were checked on all wells requesting additional perforations above the original permitted perforations. All wells have adequate

cement above the requested intervals. These requests by Inland are being treated as minor permit modifications and approval is recommended.

Reviewer(s): Brad Hill Date 03/20/2003



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 -- Name

The name of the corporation is Inland Production Company.

ARTICLE 2 -- Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE -- The name of the corporation is Newfield Production Company."

ARTICLE 3 -- Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company	Name: Brian Harris
Address: 1401 17th Street Suite 1000	Signature: <i>Brian Harris</i>
city Denver state Co zip 80202	Title: Engineering Tech.
Phone: (303) 893-0102	Date: 9/15/2004
Comments:	

NEW OPERATOR

Company: Newfield Production Company	Name: Brian Harris
Address: 1401 17th Street Suite 1000	Signature: <i>Brian Harris</i>
city Denver state Co zip 80202	Title: Engineering Tech.
Phone:	Date: 9/15/2004
Comments:	

(This space for State use only)

Transfer approved by: *A. A. Scott*
Title: *Tech. Services Manager*

Approval Date: 9-20-04

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED

SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.**Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 42-1J	01	090S	160E	4301331404	11492	Federal	WI	A
MON FED 43-11J	11	090S	160E	4301331002	11492	Federal	WI	A
WALTON FED 34-11	11	090S	160E	4301331003	11492	Federal	WI	A
MON FED 23-11J	11	090S	160E	4301331369	11492	Federal	WI	A
MON FED 14-11J	11	090S	160E	4301331374	11492	Federal	WI	A
MON FED 32-11J	11	090S	160E	4301331386	11492	Federal	WI	A
MON FED 41-15	15	090S	160E	4301331367	11492	Federal	WI	A
MON FED 32-15J	15	090S	160E	4301331368	11492	Federal	WI	A
MON FED 23-15	15	090S	160E	4301331373	11492	Federal	WI	A
MON FED 13-5	05	090S	170E	4301331370	11492	Federal	WI	A
MON FED 24-5	05	090S	170E	4301331375	11492	Federal	WI	A
MONUMENT FED 23-5J	05	090S	170E	4301331383	11492	Federal	OW	P
MON FED 22-5	05	090S	170E	4301331384	11492	Federal	WI	A
MONUMENT FED 14-5	05	090S	170E	4301331385	11492	Federal	OW	P
ALLEN FED 31-6	06	090S	170E	4301331195	11492	Federal	WI	A
MONUMENT 33-6	06	090S	170E	4301331361	11492	Federal	WI	A
MON FED 11-6	06	090S	170E	4301331362	11492	Federal	WI	A
MON FED 24-6	06	090S	170E	4301331363	11492	Federal	WI	A
MON FED 42-6	06	090S	170E	4301331364	11492	Federal	WI	A
GETTY 7C	07	090S	170E	4301330961	11492	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED
MAY 23 2005

DIV. OF OIL, GAS & MINING

INJECTION WELL - PRESSURE TEST

Test Date: <u>5/19/05</u>	Well Owner/Operator: <u>Newfield</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31404</u>	Well Name/Number: <u>Monument Fed 42-15</u>
Section: <u>1</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: 63.5 BPD Pressure: 2075 psi
Casing/Tubing Annulus - Pressure: 1150 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1150</u>	<u>2075</u>
5	<u> </u>	<u> </u>
10	<u> </u>	<u> </u>
15	<u> </u>	<u> </u>
20	<u> </u>	<u> </u>
25	<u> </u>	<u> </u>
30	<u>1150</u>	<u>2075</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 2075 psi
Casing/Tubing Annulus Pressure: 1150 psi

REMARKS:

5 year test

[Signature]
Operator Representative

David W. Huff
DOGM Witness

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection well

2. Name of Operator
Newfield Production Company

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2087 FNL 0692 FEL
SE/NE Section 1 T9S R16E

5. Lease Serial No.

UTU40652

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

MON FED 42-1J

9. API Well No.

4301331404

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	5 Year MIT _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5-18-05 Dave Hackford with the State of Utah DOGM was contacated concerning the MIT on the above listed well. Permission was given at that time to perform the test on 5-19-05. On 5-19-05 the csg was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 2075 psig during the test. There was a State representative available to witness the test. API# 43-013-31404.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 05-23-05

By: [Signature]

RECEIVED

MAY 23 2005

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)
Kathy Chapman

Signature

[Signature]

Title

Office Manager

Date

05/20/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: David Hackford Date 5/19/2005 Time 9:00 am pm

Test Conducted by: J.D. Horrocks

Others Present: _____

Well: Monument Federal 42-15-9-16

Field: Jonah unit

Well Location: SE NE SEC. 17-9S-216E

API No: 43-013-31404

Time	Casing Pressure	
0 min	<u>1150</u>	psig
5	<u>1150</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20	<u>1150</u>	psig
25	<u>1150</u>	psig
30 min	<u>1150</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2075 psig

Result:

Pass

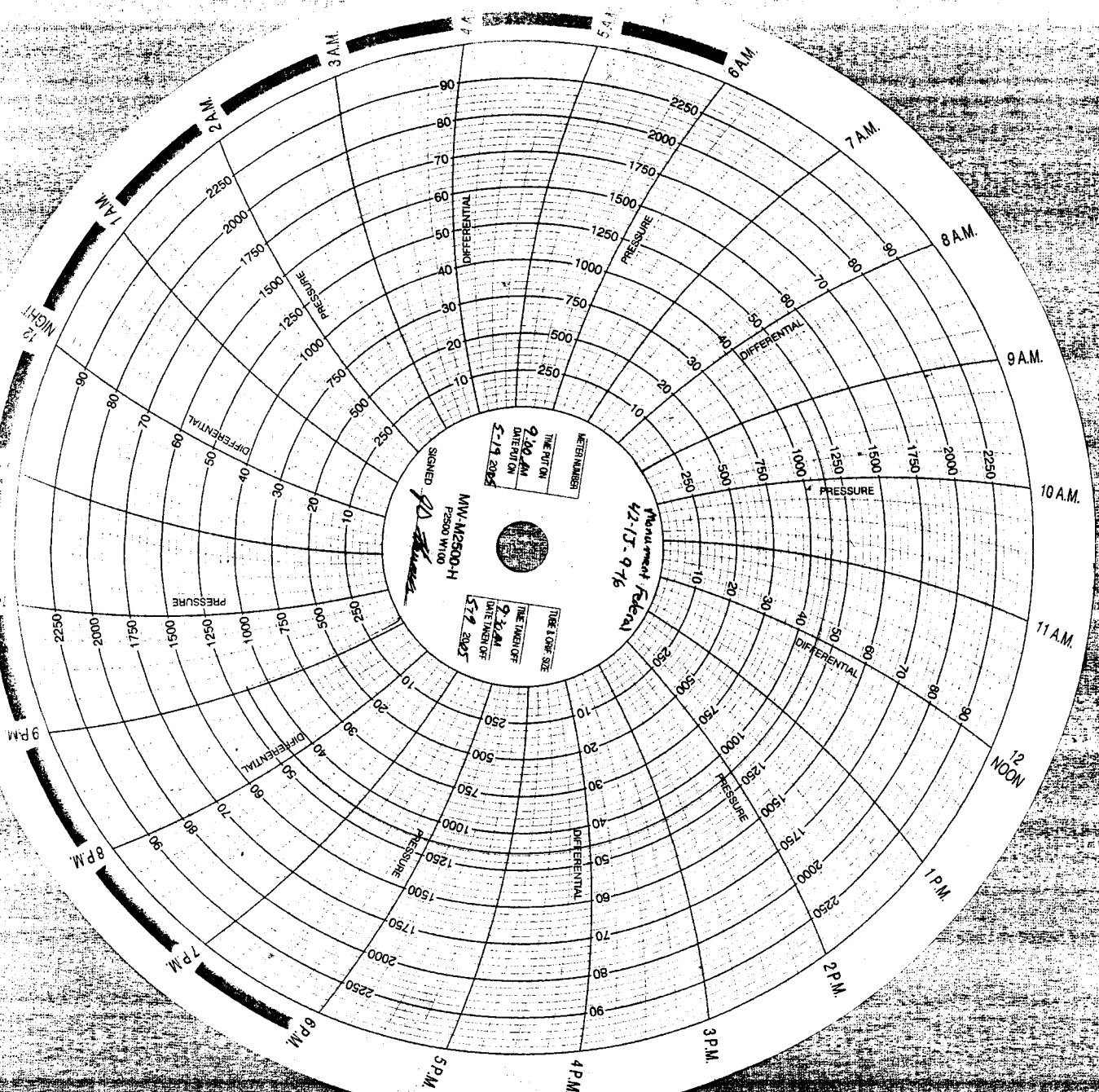
Fail

Signature of Witness:

David W. Hackford (DOGM)

Signature of Person Conducting Test:

J.D. Horrocks



STATE OF UTAH
DIVISION OF OIL GAS AND MINING

RECEIVED

AUG 31 2005

INJECTION WELL - PRESSURE TEST

DIV. OF OIL, GAS & MINING

Well Name: <u>Monument Federal</u>		API Number: <u>43013314040000</u>	
Qtr/Qtr: <u>SENE</u>	Section: <u>1</u>	Township: <u>9S</u>	Range: <u>R16E</u>
Company Name: _____			
Lease: State _____	Fee _____	Federal <u>X</u>	Indian _____
Inspector: <u>Floyd Bartlett</u>		Date: <u>8-26-05</u>	

Initial Conditions:

Tubing - Rate: Not injectingPressure: 480 psiCasing/Tubing Annulus - Pressure: 1120 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1120</u>	<u>480</u>
5	<u>"</u>	<u>"</u>
10	<u>"</u>	<u>"</u>
15	<u>"</u>	<u>"</u>
20	<u>"</u>	<u>"</u>
25	<u>"</u>	<u>"</u>
30	<u>"</u>	<u>"</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 480 psiCasing/Tubing Annulus Pressure: 1120 psiCOMMENTS: Worked over - Refract

Michael Mulligan
 Operator Representative
Entered
8/29

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU40652

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER ☐ Injection well

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
JONAH UNIT

2. NAME OF OPERATOR:
Newfield Production Company

8. WELL NAME and NUMBER:
MON FED 42-1J

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2087 FNL 0692 FEL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NE, 1, T9S, R16E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION SubDate

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)
Approximate date work will

☐ ACIDIZE
☐ ALTER CASING
☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS
☐ CHANGE TUBING
☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS
☐ COMMINGLE PRODUCING FORMATIONS
☐ CONVERT WELL TYPE

☐ DEEPEN
☐ FRACTURE TREAT
☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE
☐ PLUG AND ABANDON
☐ PLUG BACK
☐ PRODUCTION (START/STOP)
☐ RECLAMATION OF WELL SITE
☒ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION
☐ SIDETRACK TO REPAIR WELL
☐ TEMPORARILY ABANDON
☐ TUBING REPAIR
☐ VENT OR FLAIR
☐ WATER DISPOSAL
☐ WATER SHUT-OFF
☒ OTHER: - Recompletion

☒ SUBSEQUENT REPORT
(Submit Original Form Only)
Date of Work Completion:
08/31/2005

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well had recompletion procedures initiated in the Green River formation. Two new Green River intervals were perforated and hydraulically fracture treated as follows: A3 sand @ 5272'-5284', GB6 sands @ 4312'-4320' All 4 JSPF in 2 runs total. For a total of 80 shots.

On 8-24-05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above list well. Permission was given at that time to perform the test on 8-26-05. On 8-26-05 the csg was pressured up to 1120 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 480 psig during the test. There was a State representative available (Floyd Bartlett).

Accepted by the
Utah Division of
Oil, Gas and Mining

Date:

By:

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE

DATE 08/31/2005

(This space for State use only)

RECEIVED

SEP 01 2005

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 8/26/05 Time 9:00 am pm

Test Conducted by: Michael Hullinger

Others Present: Floyd Bartlett DOGR

Well: Monument Fed. 42-1J9-16

Field: Talsh

Well Location: SE 1/4, Sec. 1-T9S-R16E

API No: 43-03-31404

Time	Casing Pressure	
0 min	<u>1120</u>	psig
5	<u>1120</u>	psig
10	<u>1120</u>	psig
15	<u>1120</u>	psig
20	<u>1120</u>	psig
25	<u>1120</u>	psig
30 min	<u>1120</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 480 psig

Result: Pass Fail

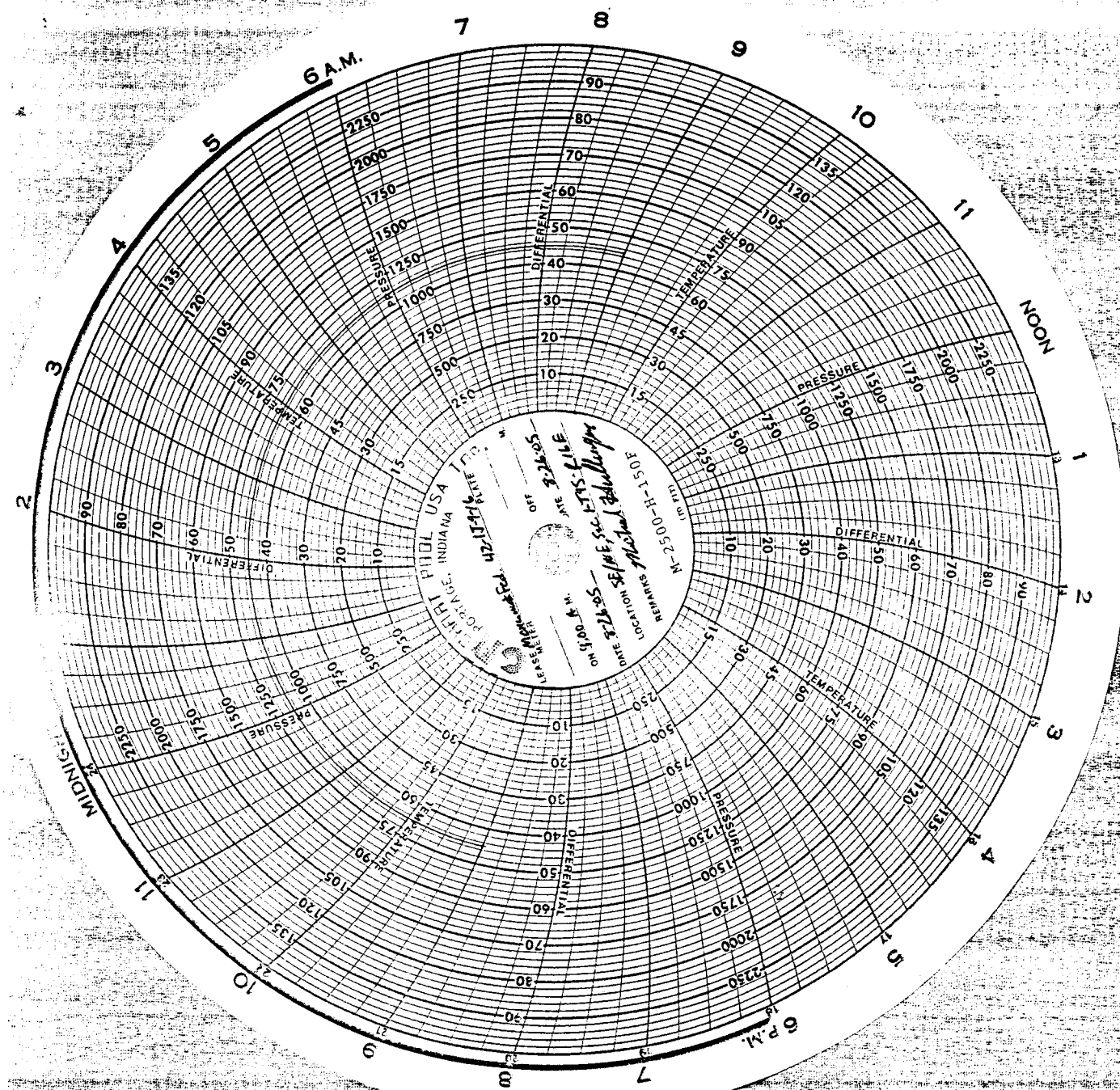
RECEIVED

SEP 01 2005

DIV. OF OIL, GAS & MINING

Signature of Witness: Floyd Bartlett

Signature of Person Conducting Test: Michael Hullinger



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection well

2. Name of Operator
Newfield Production Company

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2087 FNL 0692 FEL
SE/NE Section 1 T9S R16E

5. Lease Serial No.
UTU40652

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
JONAH UNIT

8. Well Name and No.
MON FED 42-1J

9. API Well No.
4301331404

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Recompletion _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well had recompletion procedures initiated in the Green River formation. Two new Green River intervals were perforated and hydraulically fracture treated as follows: A3 sand @ 5272'-5284', GB6 sands @ 4312'-4320' All 4 JSPF in 2 runs total. For a total of 80 shots.

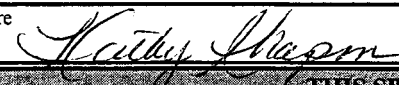
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**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 09-01-05
By: 

I hereby certify that the foregoing is true and correct
Name (Printed/ Typed)
Kathy Chapman

Title
Office Manager

Signature 

Date
08/31/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

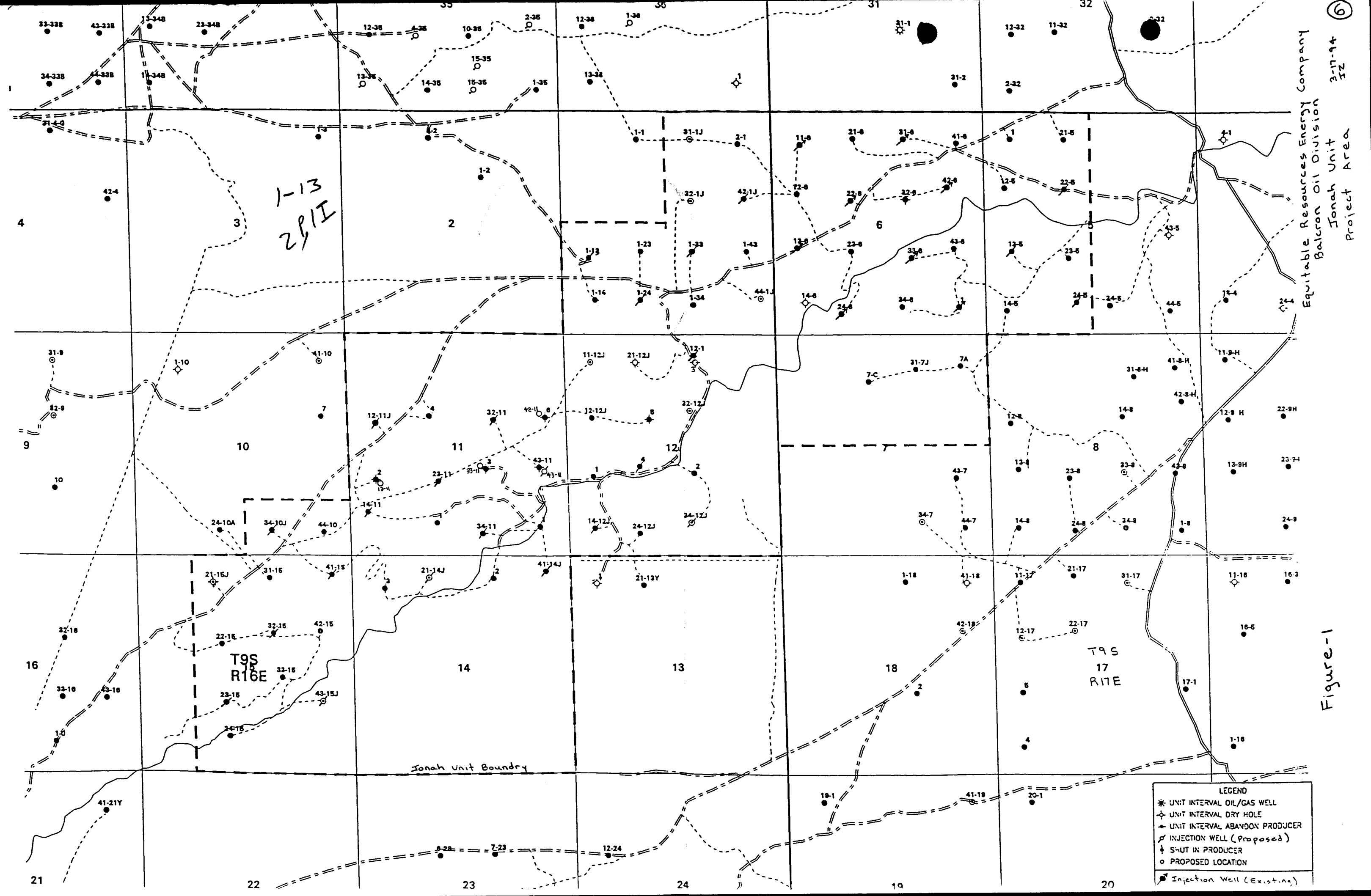
Title _____ Date _____
Office _____

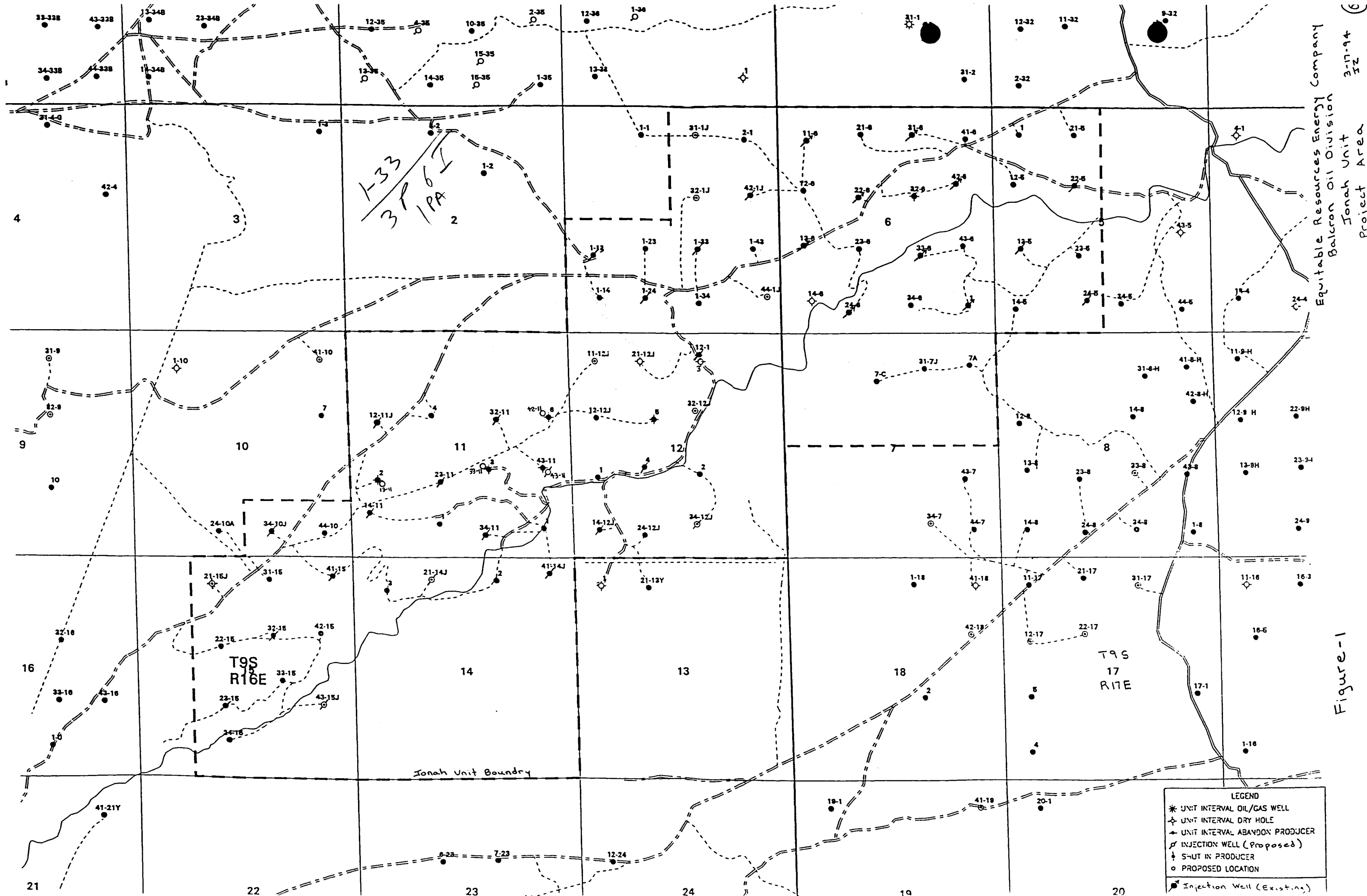
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

SEP 01 2005

DIV OF OIL, GAS & MINING



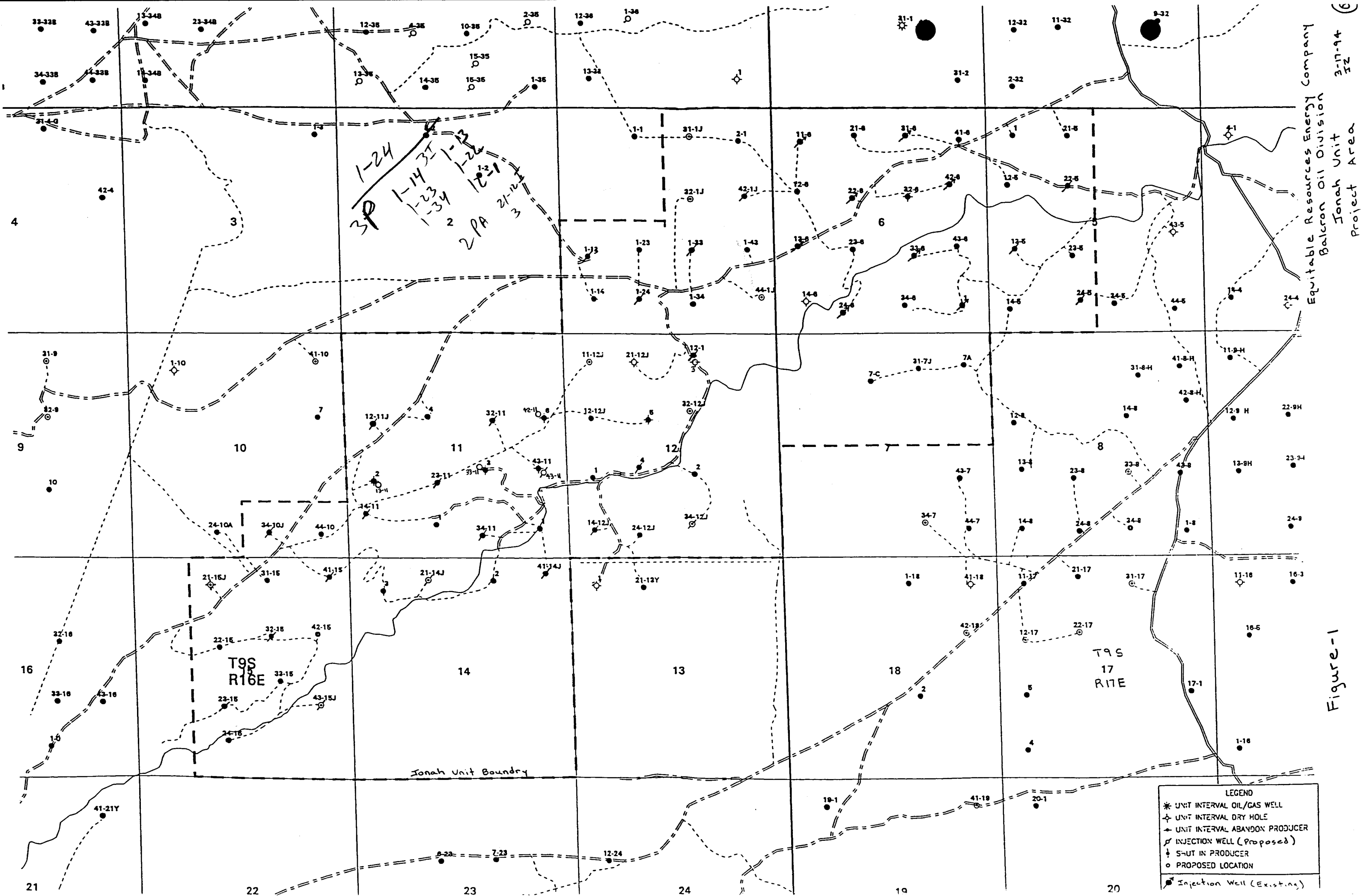


Equitable Resources Energy Company
Balcon Oil Division
Jonah Unit
Project Area

Figure-1

LEGEND

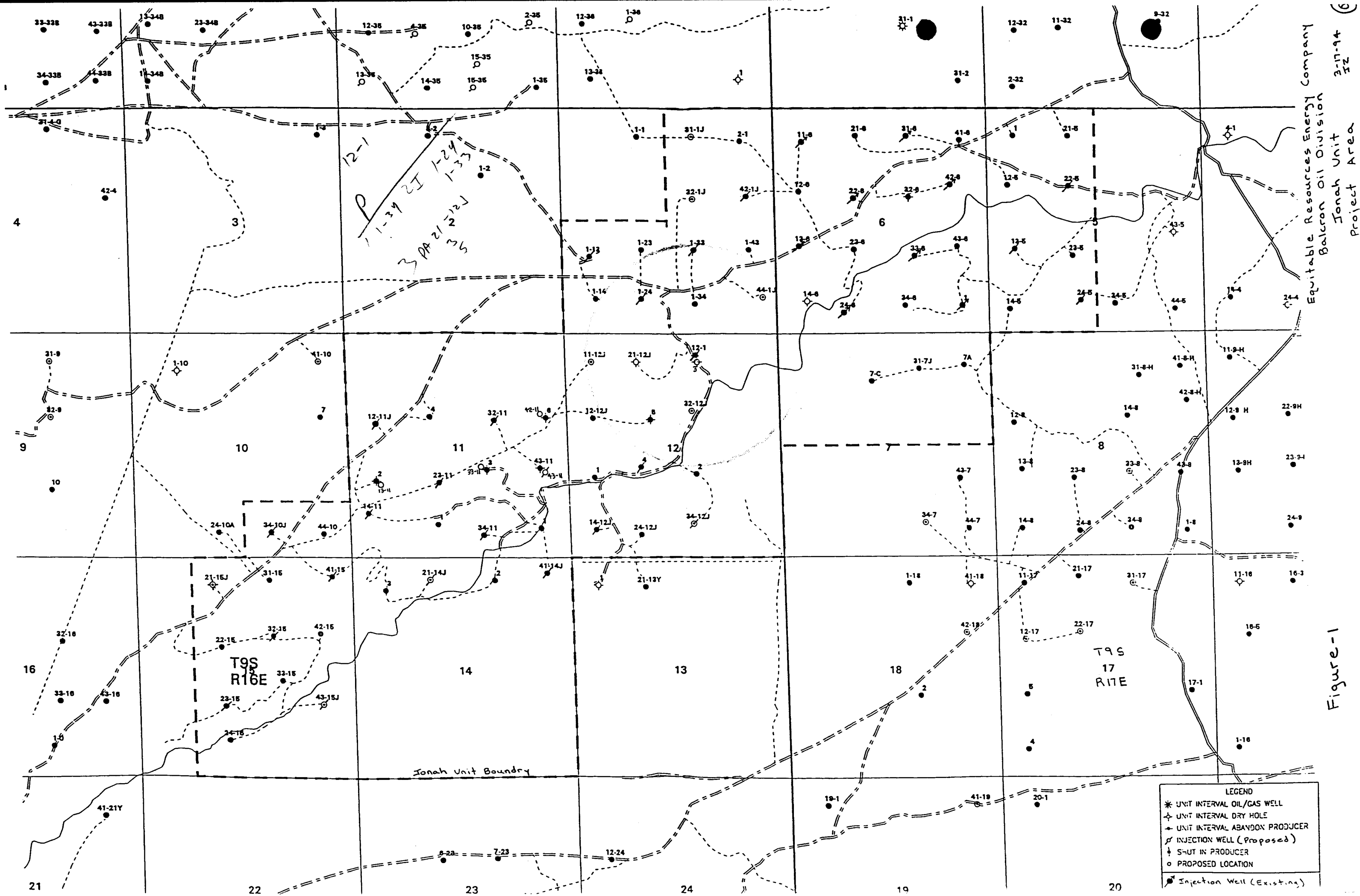
- * UNIT INTERVAL OIL/GAS WELL
- + UNIT INTERVAL DRY HOLE
- UNIT INTERVAL ABANDON PRODUCER
- / INJECTION WELL (Proposed)
- | SHUT IN PRODUCER
- o PROPOSED LOCATION
- Injection Well (Existing)



Equitable Resources Energy Company
Balcon Oil Division
Jonah Unit
Project Area

Figure-1

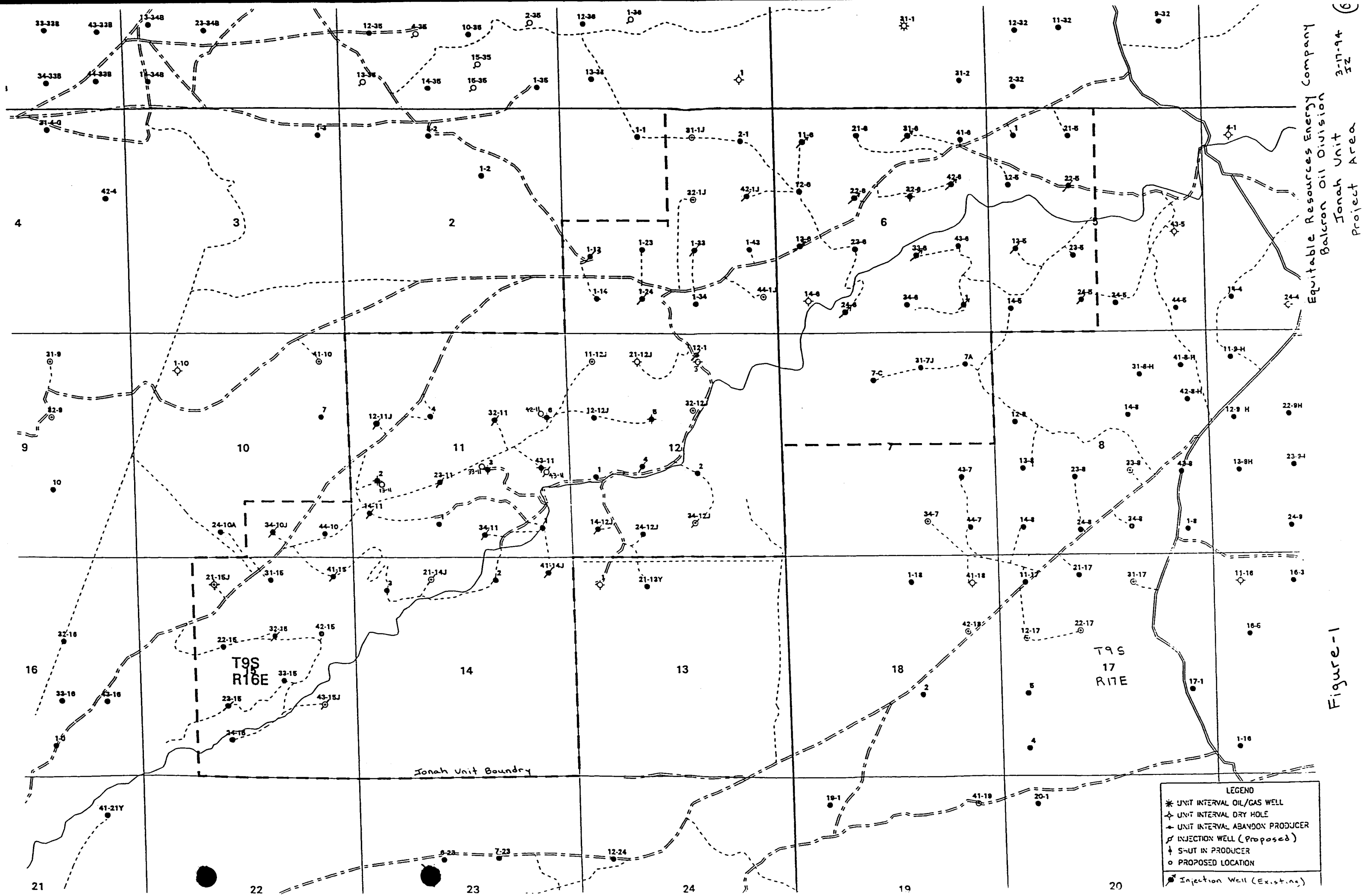
3-17-94
52



Equitable Resources Energy Company
Balcon Oil Division
Jonah Unit
Project Area

Figure-1

3-17-94
32



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-40652
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: MON FED 42-1J
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2087 FNL 692 FEL		9. API NUMBER: 4301331404
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 1, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Recompletion
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/31/2005			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well had recompletion procedures initiated in the Green River formation. Two new Green River intervals were perforated and hydraulically fracture treated as follows: A3 sand @ 5272'-5284', GB6 sands @ 4312'-4320' All 4 JSPF in 2 runs total. For a total of 80 shots.

On 8-24-05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above list well. Permission was given at that time to perform the test on 8-26-05. On 8-26-05 the csg was pressured up to 1120 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 480 psig during the test. There was a State representative available (Floyd Bartlett).

NAME (PLEASE PRINT) Kathy Chapman	TITLE Office Manager
SIGNATURE 	DATE 08/31/2005

(This space for State use only)

RECEIVED

FEB 11 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-40652
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2087 FNL 692 FEL		8. WELL NAME and NUMBER: MON FED 42-1J
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 1, T9S, R16E		9. API NUMBER: 4301331404
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT


CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Five Year MIT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/21/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 07/20/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 07/20/2010. On 07/21/2010 the casing was pressured up to 1220 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 2139 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31404

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant
SIGNATURE  DATE 07/26/2010

(This space for State use only)

RECEIVED

JUL 28 2010

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dave Cloward Date 7/21/10 Time 10:10 am pm

Test Conducted by: Busty Bird

Others Present: _____

Well: Balcron monument Fed
42-15-9-16

Well Location: 42-15-9-16
seine sec. 1, T4S, R16E

Field: Balcron monument Fed
42-15-9-16 Duchesne County
UTU 87538X

API No:

43-013-31404

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1220</u>	psig
5	<u>1220</u>	psig
10	<u>1220</u>	psig
15	<u>1220</u>	psig
20	<u>1220</u>	psig
25	<u>1220</u>	psig
30 min	<u>1220</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2139 psig

Result: Pass Fail

Signature of Witness: Dave Cloward

Signature of Person Conducting Test: Busty Bird

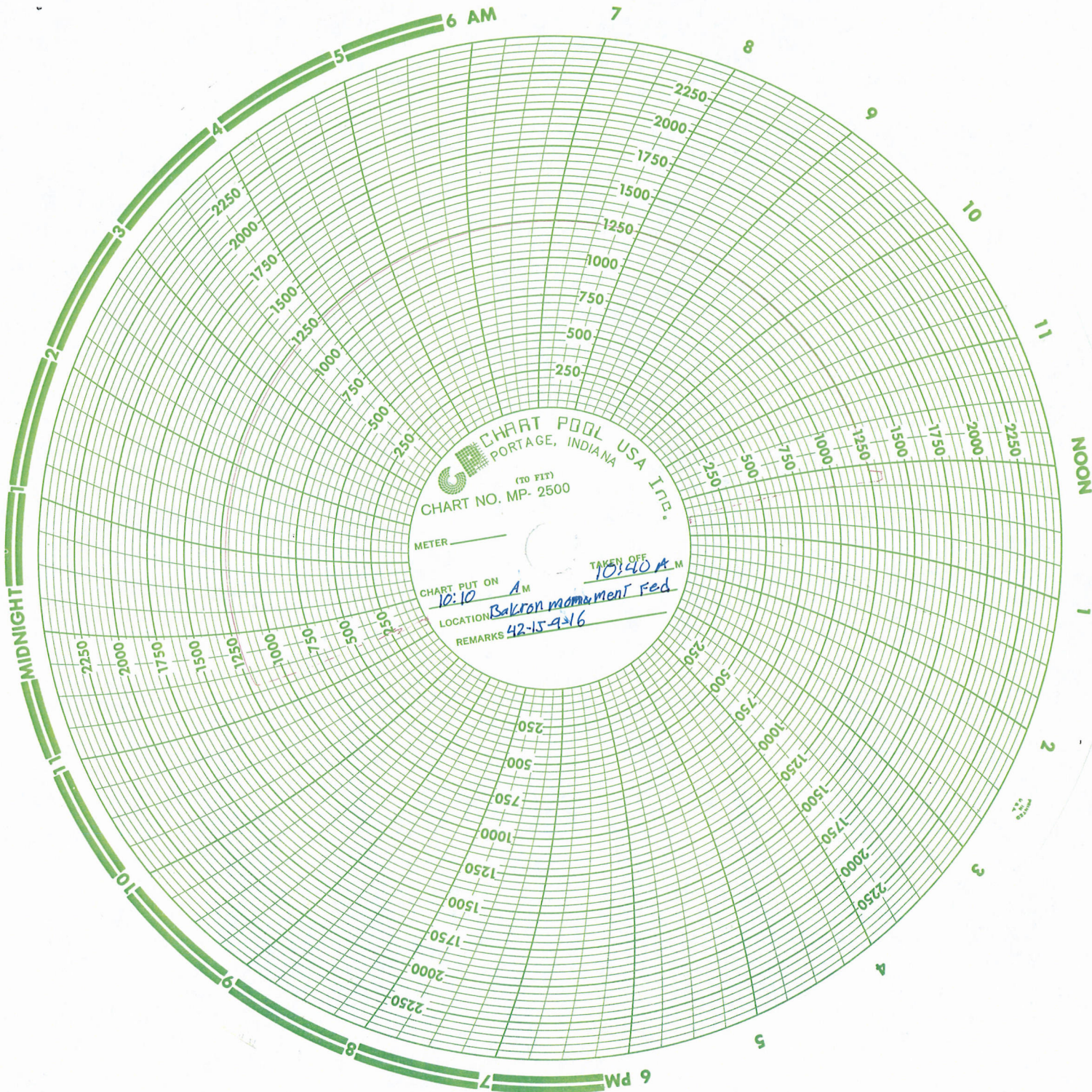
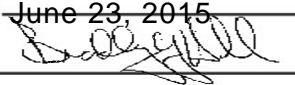


CHART POOL USA Inc.
(TO FIT)
PORTAGE, INDIANA
CHART NO. MP- 2500
METER _____
CHART PUT ON 10:10 AM
LOCATION Sakon mmm ment Fed
REMARKS 42-15 9-16
TAKEN OFF 10:40 AM

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-40652
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: MON FED 42-1J
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2087 FNL 0692 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 01 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013314040000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/18/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 06/12/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 06/18/2015 the casing was pressured up to 1295 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1932 psig during the test. There was not a State representative available to witness the test.		
Accepted by the Utah Division of Oil, Gas and Mining Date: June 23, 2015 By: 		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/22/2015	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 6/18/15 Time 12:00 am pm

Test Conducted by: Johnny Daniels

Others Present: _____

Well: Bakron Mon Fed. 42-13-9-16

Field: Monument Butte

Well Location: SE/NE Sec. 1, T9S, R10E
Duchesne County, UT

API No: 43-013-31404

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1290</u>	psig
5	<u>1294</u>	psig
10	<u>1295</u>	psig
15	<u>1295</u>	psig
20	<u>1295</u>	psig
25	<u>1294</u>	psig
30 min	<u>1295</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

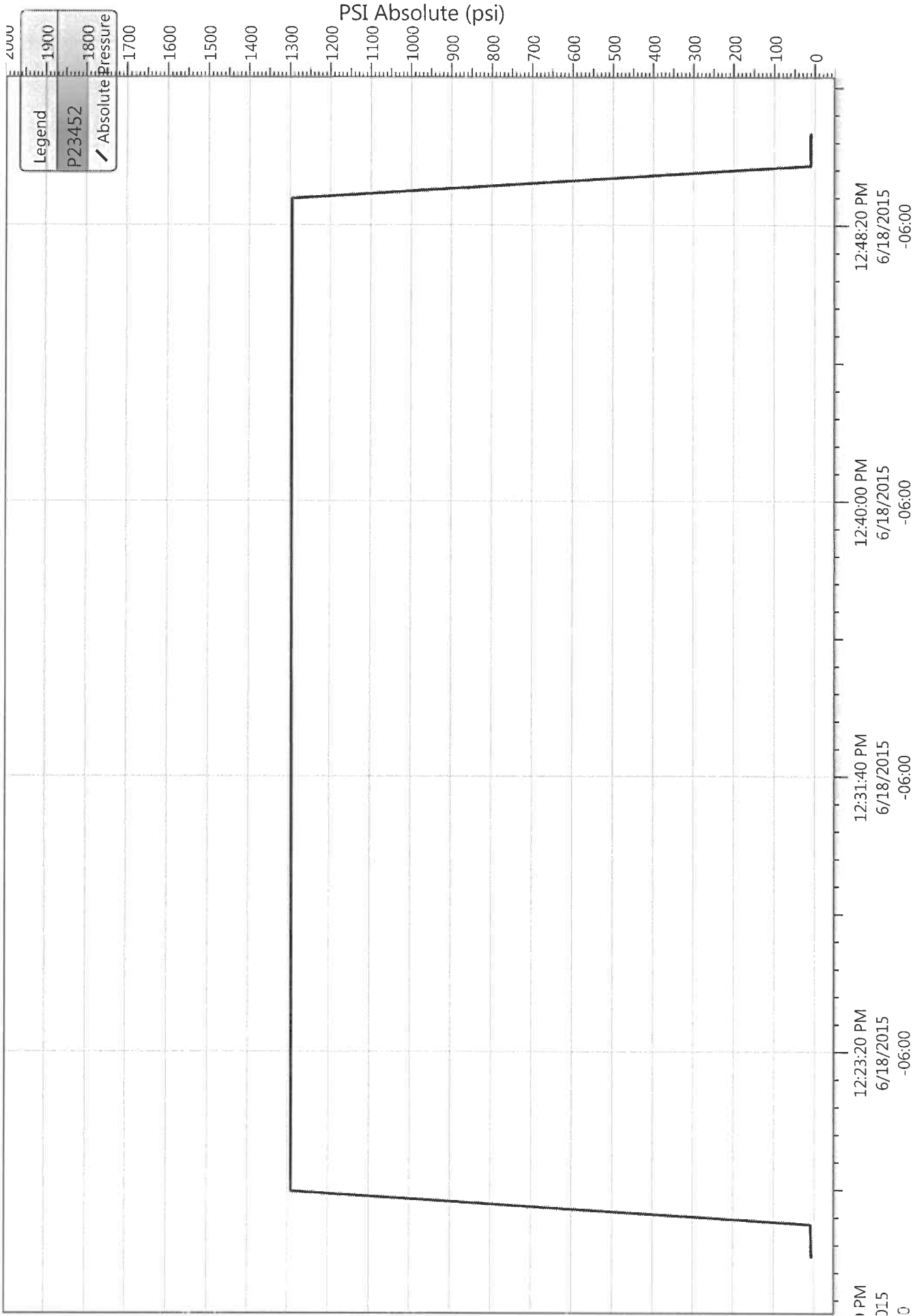
Tubing pressure: 1932 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Johnny Daniels

Monument 42-1J-9-16
6/18/2015 12:17:02 PM



Spud Date: 10 19 93
 Put on production: 12 11 93
 Put on Injection: 8 18 94
 GL: 5380' KB: 5390'

Balcron Monument Fed 42-1J-9-16

Initial Production: 80 BOPD, 400 MCFD,
 20 BOPD

Injection Diagram

SURFACE CASING

SIZE: 8-5 8" J-55 24 lbs
 LENGTH: 8 jts. (346')
 HOLE SIZE: 12-1 4"
 DEPTH LANDED: 356' KB
 CEMENT DATA: 180 sxs Class "G" w additives.

PRODUCTION CASING

SIZE: 5-1 2" K-55 15.5#
 LENGTH: 5799'
 DEPTH LANDED: 5809' KB
 HOLE SIZE: 7-7 8"
 CEMENT DATA: 112 sxs Thrifty-lite & tail w 258 sxs 50-50 POZ.
 CEMENT TOP AT: 2310' KB from Calculations.

TUBING RECORD

SIZE GRADE WT.: 2-7 8" J-55 6.5#
 NO. OF JOINTS: 134 jts (4263.7')
 SEATING NIPPLE: 2-7 8" (1.10')
 SN LANDED AT: 4363.65' KB
 TUBING PACKER: 4268.00' KB
 TOTAL STRING LENGTH: EOT 'u 4272.27'

FRAC JOB

5081' - 5296': 15,000# 20 40 sand ~ 12,000 lbs 16 30 sand in 403 bbls 2% KCL water.
 4779' - 4938': 20,520# 16 30 sand in 149 bbl Viking I-35 fluid. Avg. treating press. 2550 psi 'u 17 BPM. ISIP 1850 psi. Clac. Flush: 4779 gal., Actual flush: 4704 gal.
 8-8-05 5272-5284' Frac A3 sand as follows: 18934#s 20-40 sand in 206 bbls of Lightning 17 frac fluid. Treated 'u ave. pressure 3686 w. ave rate of 13.9 BPM. ISIP 3000 Calc. flush 1856 gals. Actual flush 1218.
 8-8-05 4312-4320' Frac GB6 sand as follows: 21601#s 20 40 sand in 206 bbls of Lightning 17 frac fluid. Treated 'u ave. Pressure 2670 w. ave rate of 13.8 BPM. ISIP 1900 Calc. flush 1057 gals. Actual flush 1008 gals.
 8-26-05 MIT Completed.
 07-21-10 5 yr MIT

Cement Top 'u 2310'

Packer 'u 4268'

4312-4320' GB6 sds

4779'-4782'

4935'-4938'

5081'-5086'

5272-5284' A3 sds

5292-5296'

SN 'u 4263'

EOT 'u 4272'

PBTD 'u 5634'

TD 'u 5850'

PERFORATION RECORD

4779' - 4782' 2 SPF 6 holes
 4935' - 4938' 2 SPF 6 holes
 5081' - 5086' 2 SPF 4 holes
 5292' - 5296' 2 SPF 4 holes
 8-5-05 5272-5284' 4 JSPF 48 holes
 8-5-05 4312-4320' 4 JSPF 32 holes



Balcron Monument Fed 42-1J-9-16
 2078 FNL & 629 FEL
 SENE Section 1-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31404; Lease #U-40652

Spud Date: 10/19/93
 Put on production: 12/11/93
 Put on Injection: 8/18/94
 GL: 5380' KB: 5390'

Balcron Monument Fed 42-1J-9-16

Initial Production: 80 BOPD, 400 MCFD,
 20 BOPD

Injection Diagram

SURFACE CASING

SIZE: 8-5/8" / J-55 / 24 lbs
 LENGTH: 8 jts (346')
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 356' KB
 CEMENT DATA: 180 sxs Class "G" w/additives.

PRODUCTION CASING

SIZE: 5-1/2" / K-55 / 15.5#
 LENGTH: 5799'
 DEPTH LANDED: 5809' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 112 sxs Thrifty-lite & tail w/258 sxs 50-50 POZ.
 CEMENT TOP AT: 2310' KB from Calculations.

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 134 jts (4263.7')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4363.65' KB
 TUBING PACKER: 4268.00' KB
 TOTAL STRING LENGTH: EOT @ 4272.27'

FRAC JOB

5081'- 5296': 15,000# 20/40 sand + 12,000 lbs 16/30 sand in 403 bbls 2% KCL water.

4779'- 4938': 20,520# 16/30 sand in 149 bbl Viking I-35 fluid. Avg. treating press. 2550 psi @ 17 BPM. ISIP 1850 psi. Clac Flush: 4779 gal, Actual flush: 4704 gal.

8-8-05 5272-5284' **Frac A3 sand as follows:**
 18934#s 20/40 sand in 206 bbls of Lightning 17 frac fluid. Treated @ ave. pressure 3686 w ave rate of 13.9 BPM. ISIP 3000 Calc. flush 1856 gals. Actual flush 1218

8-8-05 4312-4320' **Frac GB6 sand as follows:**
 21601#s 20/40 sand in 206 bbls of Lightning 17 frac fluid. Treated @ ave. Pressure 2670 w ave rate of 13.8 BPM. ISIP 1900 Calc. flush 1057 gals. Actual flush 1008 gals.

8-26-05 **MIT Completed.**
07-21-10 **5 yr MIT**

Cement Top @ 2310'

Packer @ 4268'

4312-4320' GB6 sds

4779'-4782'

4935'-4938'

5081-5086'

5272-5284' A3 sds

5292-5296'

SN @ 4263'

EOT @ 4272'

PBTD @ 5634'

TD @ 5850'

PERFORATION RECORD

4779' - 4782'	2 SPF	6 holes
4935' - 4938'	2 SPF	6 holes
5081' - 5086'	2 SPF	4 holes
5292' - 5296'	2 SPF	4 holes
8-5-05 5272-5284'	4 JSPF	48 holes
8-5-05 4312-4320'	4 JSPF	32 holes

NEWFIELD

Balcron Monument Fed 42-1J-9-16
 2078 FNL & 629 FEL
 SENE Section 1-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31404; Lease #U-40652